DEPARTMENT OF THE AIR FORCE



PROCUREMENT PROGRAM

FISCAL YEARS 1998/1999 BUDGET ESTIMATES

PROCUREMENT OF AMMUNITION

19970314 013

UNCLASSIFIED

FEBRUARY 1997

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DEPARTMENT OF THE AIR FORCE PROCUREMENT OF AMMUNITION APPROPRIATION ESTIMATES FOR FISCAL YEARS 1998-1999

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DEPARTMENT OF THE AIR FORCE PROCUREMENT OF AMMUNITION APPROPRIATION ESTIMATES FOR FISCAL YEARS 1998-1999

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♀	M-9 Pistol	, 140
=	Items Less Than \$2,000,000 (Small Arms)	145

Combating Terrorism Funding Summary (Dollars In Millions)

APPN: Procurement of Ammunition, AF	FY 96	FY 97	FY 98	FY 99
BA: 1 Ammunition	11.7	8.7	9.3	13.0
352050 5.56MM 352990 Items Less Than \$2M	6.8	6.7	7.6	9. t
355990 Items Less Than \$2M	3.2	7:	0.2	0.1
BA: 2 Small Arms	0.0	16.2	8.2	2.8
357120 M-16 A2 Rifle	0.0	15.5	0.9	2.8
357130 9MM Compact Pistol	0.0	0.1	0.2	0.0
357170 M-9 Pistol	0.0	0.0	1.1	0.0
357990 Items Less Than \$2M	0.0	9.0	6.0	0.0
Total Procurement of Ammunition, AF	11.7	24.9	17.5	15.8

IDENTIFICATION CODES

Code "A" - Line items of material which have been approved for Air Force service use; i. e., line items which have been classified as standard or alternate. Code "B" - Line items of material that have not been approved for Service use as defined in Code "A".

GLOSSARY

Contract Method

C - Competitive SS - Sole Source

Contract Type

C/FFP - Competitive Firm Fixed Price FPIF - Fixed Priced Incentive Fee C/FP - Competitive/Fixed Price CPAF - Cost Plus Award Fee FFP - Firm Fixed Price FP - Fixed Price

Contracted By

AFMC - Air Force Materiel Command, Wright-Patterson AFB, OH ASC - Aeronautical Systems Center, Wright - Patterson AFB, OH & Eglin AFB, FL OO-ALC - Ogden Air Logistics Center, Hill AFB, UT WR-ALC - Warner-Robins Air Logistics Center, Robins AFB, GA IOC - Industrial Operations Command, Rock Island, IL NOC - Navy Ordinance Command, Mechanicsburg PA AMCCOM - See IOC SPCC - See NOC

DEPARTMENT OF THE AIR FORCE

FY 1998/1999 PROCUREMENT PROGRAM

FEB 1997

SUMMARY (\$ IN MILLIONS)

	FY 1999	453.7	2.8	456.5
	FY 1998	395.8	8.2	404.0
	FY 1997	300.1	16.2	316.3
	FY 1996	336.1		336.1
APPROPRIAȚION: PROCUREMENT OF AMMUNITION, AIR FORCE ACTIVITY	O1. PROCUREMENT OF AMMO, ATP FORCE	O2. WEAPONS		TOTAL

DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3011F PROCUREMENT OF AMMUNITION, AIR FORCE

DATE: FEB 1997

QUANTITY COST QUANTITY COST C MILLIONS OF DOLLARS QUANTITY COST QUANTITY COST QUANTITY COST (DOLLARS) FY 1998 UNIT COST BUDGET ACTIVITY 01: PROCUREMENT OF AMMO, AIR FORCE IDENT ITEM NOMENCLATURE

ROCKETS

1 2.75 INCH ROCKET MOTOR	⋖	373	29964	4.01	25202	d				
2 2.75" ROCKET HEAD SIGNATURE					70007	ñ.	23718	ø. 9	36876	14.1 U
THE STREET STRING STRINGS	4	62	24280	2.0	25360	1.8	13940	đ	7477	;
3 ITEMS LESS THAN \$2,000,000	A			+					401/1	1.2 0
CARTRIDGES				:		n -		- .		⊃ +.
4 5.56 MM	∢	326	2005g	ď		. (
5 20MM TRAINING	•			0	148/	6.7	23273	7.6	27235	9.10
	₹				435	2.7				כ
O SO MM IKAINING	⋖	8,373	623	7.0	408	3.5	3278	27 4	2406	
7 CARTRIDGE CHAFF RR-180	V	14,305	550	7.7			9 4		06 1	0 / 8.
8 CARTRIDGE CHAFF RR-188	4		523		101	,	0	12.1	297	8.7 U
9 SIGNAL MK-4 MOD 3	4	4 882	į	!	ò	7.7			896	2.2 ∪
10 ITEMS LESS THAN \$2,000.000	: <						296		697	1.3 U
BOMBS	t			ო დ		4 6		4.1		7.1 U
11 MK-82 INERT/BDU-50	∢	724	12930	80	12750	ď				
12 TIMER ACTUATOR FIN FUZE	∢		24032			0	306/2	22.2	90696	27.3 U
13 GBU-28 HARD TARGET PENETRATOR	<			?						n
	t				161	18.4			152	17.4 U

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3011F PROCUREMENT OF AMMUNITION, AIR FORCE

									۵	DATE: FEB 1997	997
LINE			(DOLLARS)				1			MILLIONS OF DOLLARS	OLLARS
Q	, ITEM NOMENCLATURE	CODE	FY 1998 UNIT COST	QUANTITY COST	661 COST	QUANTITY COST	1997 COST		1998	FY 1999 ST QUANTITY COST	
14 BOMB	14 BOMB PRACTICE 25 POUND	۷	41	300000	u		; ; ; ;		!	t	
15 2000	2000 LB HE BOMB MK-84	⋖		1	n 0	200000	2.9	397760	5.6	698400	10.1 U
16 MK-84	16 MK-84 BOMB-EMPTY	4	907 6	9	-					1518	5.7 U
17 SENSO	17 SENSOR FUZED WEAPON	: ∢	076 700	2812	6.9	1500	3.5	994	2.5	3590	8.8 U
18 CBU-8	18 CBU-87(COMBINED EFFECTS MUNITIONS)	< <		000	165.4	542	152.0	556	153.9	352	143.3 U
19 TTU-3	19 TTU-373A DIGITAL TEST SET	⋖				d					ם
20 JOINT	20 JOINT DIRECT ATTACK MUNITION	<	20 025			.	ۍ. ۲.				ם
21 WIND	WIND CORRECTED MUNITIONS DISPENSER	< <	70 967			937	23.0	2673	61.3	2620	62.2 U
22 CBU-89	CBU-89 GATOR INERT	∶ ∢		Ċ	(280	19.9	779	30.1 U
23 ITEMS	23 ITEMS LESS THAN \$2,000,000	: ∢		955	ກ ເ ທີ່ ເ						כ
ITEMS LES	ITEMS LESS THAN \$2,000,000						₹.		s.		D
24 ITEMS	24 ITEMS LESS THAN \$2,000,000	⋖									
FLARE, IR MJU-7B	MJU-78						-				כ
25 ASTE (25 ASTE (INFRARED EXPENDABLE)	4									
26 FLARE,	26 FLARE, IR MJU-7B	. ⋖	33	042260						21402	3.0 U
27 PARACH	27 PARACHUTE FLARE LUU-2 B/B	⋖		0000	9	899640	20.0	662280	14.7	862680	19.5 U
28 MJU-23 FLARE	FLARE	80		0600	(1472	n 8.
				2006	0.9						כ

DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3011F PROCUREMENT OF AMMUNITION, AIR FORCE

1 1 1 1 1	TOTAL TOTAL TOTAL TOTAL OF AMMONITION, AIR FORCE	ONITION.	AIR FORCE							DATE FER 1007	7007
			1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							1001
LINE										MILLIONS OF DOLLARS	OLLARS
Q.	ITEM NOMENCLATURE	CODE	FY 1998 UNIT COST	QUANTITY COST	1996 COST	QUANTITY	199	QUANTITY	1998 COST	FY 1999	S 8
29 MJU-10B	10B	4	ď				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	!		
30 M-20	30 M-206 CARTRIDGE FLARE	<	8 4		7.2	214584	12.7	190824	11.5	199440	12.2 U
31 CAD/PAD	PAD	(∢	6	331000	11.3	1045000	12.8	1099600	17.5	798000	13.0 U
32 INIT	32 INITIAL SPARES	< ∢							12.8		14.6 U
33 REPLI	REPLENISHMENT SPARES	. <			٥.		*				כ
34 MODII	34 MODIFICATIONS				-		1.6		1.0		1.5 U
35 ITEMS	35 ITEMS LESS THAN \$2 000 000	₹ •			e. e.		.7		7.		ם
FUZES		∢			17.3		3.8		4.6		5.7 U
36 JOINT	36 JOINT PROGRAMMABLE FUSE(JPF)	m	5,025			200	,				
37 HARD	37 HARD TARGET SMART FUZE	4				476	4	1170	ი ი	1906	8.1 U
TOTAL PRO	TOTAL PROCUREMENT OF AMMO, AIR FORCE			•		20	2.0	•	1	235	7.9 U
BUDGET ACTIVITY	BUDGET ACTIVITY 02: WEAPONS						300. 1		395.8		453.7
SMALL ARMS	MS										
38 M-16	38 M-16 A2 RIFLE	4									
39 9MM C	39 9MM COMPACT PISTOL .	4	C				15.5		0.9		2.8 U
40 M-9 PISTOL	ISTOL	۰ <	2 5			113	Ξ.	260	3.		-
		∢	497					2265	1.1		ם

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE FY 1998/1999 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3011F PROCUREMENT OF AMMUNITION,

IR FORCE DATE: FEB 1997	MILLIONS OF DOLLARSFY 1996 S QUANTITY COST QUANTITY COST QUANTITY COST C		D *	8.2 2.8 404.0 456.5
	QUANTITY COST QUANTITY COST			336.1 316.3
4 i	(DOLLARS) FY 1998 UNIT COST QUA			
THE POST OF AMMONTION, AIR FORCE	IDENT ITEM NOMENCLATURE CODE	41 ITEMS LESS THAN \$2M	TOTAL WEAPONS	TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE
1	LINE	41 IT	TOTAL 1	TOTAL I

* ITEMS UNDER \$50,000

		BUDGET ITEM J	TITEM JUSTIFIC	USTIFICATION			DATE	
			(EXHIBIT P-40)				FEBRUARY 1997	1997
APPROPRIATIC	APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE	URE		
PAAF/MUNITIO	PAAF/MUNITIONS AND RELATED EQUIPMENT	EQUIPMENT		2.75	2.75 INCH ROCKET MOTOR	DTOR		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	29,964	25.392	23.718	36 876	33 928	34 068	37 366	49.050
COST (In Millions)	\$10.404	\$9.941	\$8.856	\$14.056	\$14.413	\$14.812	\$15.200	\$10.146
REMARKS							21:01	410.140

1. THIS IS A 2.75 INCH DIAMETER ROCKET WITH FOLDING FINS USED WITH HIGH EXPLOSIVE, WHITE PHOSPHOROUS, OR TARGET PRACTICE WARNEADS. THE ROCKETS CAN BE FIRED FROM HIGH OR LOW SPEED AIRCRAFT. IN THE AIR FORCE, THE 2.75 INCH ROCKET IS USED PRIMARILY TO MARK TARGET LOCATIONS FOR OTHER AIRCRAFT. ROCKETS ARE LAUNCHED FROM REUSABLE PODS CARRIED ON AIRCRAFT PYLONS AND ARE THE PRIMARY TARGET MARKING MUNITION USED BY FORWARD AIR CONTROL AIRCRAFT. THREE VERSIONS OF THE 2.75 INCH ROCKET MOTOR ARE IN USE: MK 4, MK 40 AND MK 66. ONLY THE MK 66 IS IN PRODUCTION.

2. THIS ITEM IS PROCURED BY THE SINGLE MANAGER FOR CONVENTIONAL AMMUNITION. COST IS BASED ON CONVENTIONAL AMMUNITION WORKING CAPITAL FUND (CAWCF) STANDARD PRICING.

UNCLASSIFIED

PAGE NO.

P-1 SHOPP LIST ITEM NO.

CODE	APPROPRIATION AND P-1 LINE ITEM PAAF	ITEM		2.75 INCH	2.75 INCH ROCKET MOTOR	IOTOR				DATE:	FEBRUARY 1997	/ 1997		
CODE GNY UNITCOST TOTAL GNY UNIT	ELEMENT OF COST	IDENT	FY96	QIY:	29964	FY97		25,392	FY98		23,718	FY99		36,876
P) A 250044 SB877 S2.658 25592 S116.34 \$2,000 23716 S114.18 S2.708 36976 S116.67 S116.		HOO COD	OI?	UNITCOST	TOTAL	AT/	UNITCOST	TOTAL	QIY	$\overline{}$	TOTAL	П		TOTAL
\$2565 \$370 \$7718 \$10,404 \$391.15	HARDWARE LOAD, ASSEMBLE, AND PACK (LAP) MK90 PROPELLANT GRAIN	∢	29964	\$88.71	\$2,658 \$5,515	25392		\$2,929	23718.		\$2,708	36876	\$116.57	\$4,299
\$11 \$11 \$10 \$10 \$11 \$11 \$10 \$10 \$11 \$11	SUBTOTAL				\$8,173			\$8,090			\$7,642			\$12,130
\$2.231 \$1.861 \$1.861 \$1.214 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	RODUCTION SUPPORT RODUCTION ENGINEERING NUALITY ASSURANCE CCEPTANCE TESTING ITERIM TRANSPORTATION IDUSTRIAL STOCK SUPPORT				\$253 \$11 \$94 \$31 \$348			\$370 \$11 \$88 \$77 \$320			\$781 \$19 \$88 \$55 \$271			\$1,240 \$30 \$139 \$87 \$430
29964 \$347.21 \$10.404 25392 \$391.49 \$9,941 23718 \$373.33 \$8.866 36976 \$381.15	AWCF GAIN/LOSS SURCHARGE SUBTOTAL				\$1,494			\$985			\$1,214			\$1,926
PAGE NO.	TOTAL P-1 LINE ITEM		29964	\$347.21	\$10,404	26392	\$391.49	\$9,941	23718	\$373.33	\$8,856	36876	\$381.15	\$14,056
					P-1 ITEM		PAGE	Ö			EXHIBIT P.5			

	A. DATE	FEBRUARY 1997		2.75 INCH ROCKET MOTOR	SPECS SPEC	COST AVAIL REV WHEN	DEO'D
			LATURE	2.75 INCF	QUANTITY		
	P-5A)		C. P-1 ITEM NOMENCLATURE		DATE OF	FIRST	DELIVERY
OIL IED	NNING (C. P-1 ITE		AWARD	DATE	
OIL SECTION OF THE PERSON OF T	HISTORY PLA				CONTRACTED	8	
	CUREMENT H			CENTIMEN	CONTRACT	MEIHOD	& ITPE
	BUDGET PROCUREMENT HISTORY PLANNING (P-5A)		ON/BUDGET ACTIVITY DA A E/AUINITIONS AND DETATES FORMSTON	WILLOWS AND RELATED	CONTRACTOR/	LOCALION	
			B. APPROPRIATION/BUDGET ACTIVITY DA A E/AITRICINE AN	DM/ISS	LINE ILEM/	1000	

2.75 INCH ROCKET MOTOR LOCKHEED MARTIIN C/FP ARMY/AMCCOM SFP 96 OCT 97 29944 347.21 FY 1994 LOCKHEED MARTIIN C/FP ARMY/AMCCOM AFR 97 OCT 98 25392 391.49 FY 1998 UINKNOWN C/FP ARMY/AMCCOMLC) AFR 98 OCT 99 23718 373.33 FY 1999 UINKNOWN C/FP ARMY/AMCCOMLC) AFR 99 OCT 99 23718 373.33	CH ROCKET MOTOR C/FP ARMY/AMCCOM SEP 96 OCT 97 29964 LOCKHEED MARTIN C/FP ARMY/AMCCOM ARRY/AMCCOM ARRY OCT 98 25392 UNIKNOWN C/FP ARMY/AMCCOM ARRY AMCOOALC) ARRY AMCOOALC) 23718 UNIKNOWN C/FP ARMY/AMCCOM ARRY OCT 00 38676	CH ROCKET MOTOR CFP ARMY/AM/CCOM SEP 96 OCT 97 29964 LOCKHEED MARTIN C/FP ARMY/AM/CCOM APR 97 OCT 98 28392 LOCKHEED MARTIN C/FP ARMY/AM/CCOM APR 99 OCT 98 28392 UNIKNOWN C/FP ARMY/AM/CCOM APR 99 OCT 99 23718 UNIKNOWN C/FP ARMY/AM/CCOM APR 99 OCT 90 38676	CH ROCKET MOTOR LOCKHEED MARTIN C/FP ARMY/AM/COMLC) UNINNOWN C/FP ARMY/AM/COMLC) ARMY/AM/COMLC) ARMY/AM/COMLC) UNINNOWN C/FP ARMY/AM/COMLC) ARMY/AM/COMLC) ARMY/AM/COMLC) ARMY/AM/COMLC) ARMY/AM/COMLC) ARMY/AM/COMLC) ARMY/AM/COMLC) ARM/AM/COMLC) ARM/AM/COMLC) ARM/AM/COMLC) ARM/AM/COMLC) ARM/AM/COMLC) ARM/AM/COMLC) ARM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/COMLC) ARM/AM/AM/AM/COMLC) ARM/AM/AM/AM/COMLC) ARM/AM/AM/AM/COMLC) ARM/AM/AM/AM/COMLC) ARM/AM/AM/AM/COMLC) ARM/AM/AM/AM/COMLC) ARM/AM/AM/AM/COMLC) ARM/AM/AM/AM/COMLC) ARM/AM/AM/AM/COMLC) ARM/AM/AM/AM/AM/COMLC) ARM/AM/AM/AM/COMLC) ARM/AM/AM/AM/AM/COMLC) ARM/AM/AM/AM/AM/AM/AM/AM/AM/AM/AM/AM/AM/AM	CH ROCKET MOTOR CHP ARWIYAMICCOM SEP 96 OCT 97 29964 LOCKI-ED MARTIN C/FP ARWY/AMICCOM AFR 97 OCT 98 26392 UNKNOWN C/FP ARWY/AMICCOM AFR 98 OCT 99 28378 UNKNOWN C/FP ARWY/AMICCOM AFR 99 OCT 99 28378 UNKNOWN C/FP ARWY/AMICCOM AFR 99 OCT 99 36976	CH ROCKET MOTOR C/FP ARMY/AM/CCOM SEP 96 OCT 97 29964 LOCKHEED MARTIN C/FP (AFMC/OO-ALC) AFR 97 OCT 98 26392 LOCKHEED MARTIN C/FP ARMY/AM/CCOM AFR 99 OCT 99 26392 UNKNOWN C/FP ARMY/AM/CCOM AFR 99 OCT 99 23718 UNKNOWN C/FP ARMY/AM/CCOM AFR 99 OCT 90 38676			& TYPE			DELIVERY				NON	NOW REQ'D
LOCKHEED MARTIN C/FP (AFMC/OO-ALC) LOCKHEED MARTIN C/FP ARMY/AMCCOM APR 97 UNKNOWN C/FP ARMY/AMCCOM APR 98 UNKNOWN C/FP ARMY/AMCCOM APR 98 OCT 99 (AFMC/OO-ALC) (AFMC/OO-ALC) (AFMC/OO-ALC) (AFMC/OO-ALC) (AFMC/OO-ALC) (AFMC/OO-ALC) (AFMC/OO-ALC)	LOCKHEED MARTIN C/FP (AFMC/OO-ALC) LOCKHEED MARTIN C/FP ARMY/AMCCOM APR 97 OCT 98 UNKNOWN C/FP ARMY/AMCCOM APR 98 OCT 99 UNKNOWN C/FP ARMY/AMCCOM APR 99 OCT 00 UNKNOWN C/FP ARMY/AMCCOM APR 99 OCT 00	LOCKHEED MARTIN C/FP ARMY/AMCCOM SEP 96 OCT 97	LOCKHEED MARTIN LOCKHEED MARTIN C/FP ARMY/AMCCOM (AFMC/OO-ALC) UNKNOWN C/FP ARMY/AMCCOM APR 97 OCT 98 (AFMC/OO-ALC) UNKNOWN C/FP ARMY/AMCCOM (AFMC/OO-ALC) ARMY/AMCCOM (AFMC/OO-ALC) C/FP ARMY/AMCCOM (AFMC/OO-ALC) ARMY/AMCCOM APR 99 OCT 00	LOCKI-EED MARTIN C/FP (AFMC/OD-ALC) LOCKI-EED MARTIN C/FP (AFMC/OD-ALC) UNKNOWN C/FP (AFMC/OD-ALC) UNKNOWN C/FP (AFMC/OD-ALC) C/FP (AFMC/OD-ALC) C/FP (AFMC/OD-ALC) C/FP (AFMC/OD-ALC) C/FP (AFMC/OD-ALC)	LOCKHEED MARTIN C/FP (AFMC/OO-ALC) LOCKHEED MARTIN C/FP ARMY/AMCCOM APR 97 OCT 98 UNIXNOWN C/FP ARMY/AMCCOM APR 99 OCT 00 UNIXNOWN C/FP ARMY/AMCCOM APR 99 OCT 00	2.75 INCH ROCKET MOTO							_			
LOCKHEED MARTIN C/FP ARMY/AMCCOM APR 97 OCT 98 25392 UNKNOWIN C/FP ARMY/AMCCOM APR 98 OCT 99 23718 UNKNOWIN C/FP ARMY/AMCCOM APR 99 OCT 00 36876	LOCKHED MARTIN C/FP ARMY/AMCCOM APR 97 OCT 98 25392 UNKNOWN C/FP ARMY/AMCCOM APR 98 OCT 99 23718 UNKNOWN C/FP ARMY/AMCCOM APR 99 OCT 00 36876	LOCKHED MARTIN C/FP ARMY/AMCCOM APR 97 OCT 98 25392 UNKNOWN C/FP ARMY/AMCCOM APR 98 OCT 99 23718 UNKNOWN C/FP ARMY/AMCCOM APR 99 OCT 00 36876	LOCKH-EED MARTIN C/FP ARMY/AMCCOM APR 97 OCT 98 25392 UNKNOWN C/FP ARMY/AMCCOM APR 98 OCT 99 23718 UNKNOWN C/FP ARMY/AMCCOM APR 99 OCT 00 36876	LOCKHED MARTIN C/FP ARMY/AMCCOM APR 97 OCT 98 25392 UNKNOWIN C/FP ARMY/AMCCOM APR 98 OCT 99 23718 UNKNOWIN C/FP ARMY/AMCCOM APR 99 OCT 00 38876	LOCKHEED MARTIN C/FP ARMY/AMOCOM APR 97 OCT 98 26392 UNKNOWN C/FP ARMY/AMOCOM APR 98 OCT 99 23718 UNKNOWN C/FP ARMY/AMOCOM APR 99 OCT 00 36876	FY 1996#	LOCKHEED MARTIN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	SEP 96	OCT 97	29964	<u> </u>	7.21	7.21	7.21
UNKNOWN C/FP ARMY/AMCCOM APR 98 OCT 99 23718 (AFMC/OO-ALC) ARMY/AMCCOM APR 99 OCT 00 36876	UNKNOWN C/FP ARMY/AMCCOM APR 98 OCT 99 23718 (AFMC/OO-ALC) ARMY/AMCCOM APR 99 OCT 00 36876 UNKNOWN C/FP ARMY/AMCCOM APR 99 OCT 00 36876	UNKNOWN C/FP ARMY/AMCCOM APR 98 OCT 99 23718 UNKNOWN C/FP ARMY/AMCCOM APR 99 OCT 00 36876	UNKNOWN C/FP ARMY/AMCCOM APR 98 OCT 99 23718 (AFMC/OO-ALC) ARMY/AMCCOM APR 98 OCT 00 38876 (AFMC/OO-ALC) (AFMC/OO-ALC)	UNKNOWN C/FP ARMY/AMCCOM APR 98 OCT 99 23718 UNKNOWN C/FP ARMY/AMCCOM APR 99 OCT 00 36876	UNKNOWN C/FP ARMY/AMCCOM APR 98 OCT 99 CAFMC/OO-ALC) ARMY/AMCCOM APR 99 OCT 00 38876	FY 1997	LOCKHEED MARTIN	C/FP (OPTION)	ARMY/AMCCOM (AFMC/OO-ALC)	APR 97	OCT 98	25392	391.4	0	y ves	
UNKNOWN C/FP ARMY/AMCCOM APR 99 OCT 00 36876 (AFMC/OO-ALC)	UNKNOWN C/FP ARMY/AMCCOM APR 99 OCT 00 36876 (AFMC/OO-ALC)	UNKNOWN C/FP ARMY/AMCCOM APR 99 OCT 00 36876 (AFMC/OO-ALC)	UNKNOWN C/FP ARMY/AMCCOM APR 99 OCT 00 36876 (AFMC/OO-ALC)	UNKNOWN C/FP ARMY/AMCCOM APR 99 OCT 00 36876 (AFMC/OO-ALC) .	UNKNOWN C/FP ARMY/AMCCOM APR 99 OCT 00 36876 (AFMC/OO-ALC)	FY 1998	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	APR 98	OCT %	23718	373.33	~	3 YES	
						FY 1999	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	. APR 99	OCT 00	36876	381,15		YES	
											w.·					

D. REMARKS

FY 96 CONTRACT AWARD WAS DELAYED DUE TO CONTRACT DISPUTE. LOCKHEED MARTIN IS IN BURLINGTON, VT

ď	ď	27000		-	P-1 II EM NOMENCLA I UHE:	2	ME	2	5	انن	2.7	3	2.75 INCH HOCKET MOTOR	S. F.	ž	5									DATE		即	5	FEBRUARY 1997	1997							ļ	
TEMMEG		PROC ACOPT	PT BAL					FISC	FISCAL YEAR 97	EAF	18								-	FIS	CAL	FISCAL YEAR 98	R 98								II.	FISCAL YEAR 99	L YE	AR 96	_			
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		BUDGE	BUDGET ITEM JUSTIFICATION	CATION			DATE	
			(EXHIBIT P-40)	6			FEBRUARY 1997	Y 1997
APPROPRIATI PAAF/MUNITIC	APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT	IVITY D EQUIPMENT		P-1	P-1 ITEM NOMENCLATURE 2.75" ROCKET HEAD SIGNATURE	TURE		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	24,280	25,360	13,940	17,164	17,780	17,851	18,007	22.033
COST (In Millions) \$1.993	\$1.993	\$1.780	\$0.919	\$1.155	\$1.393	\$1.432	\$1.478	\$1.850

REMARKS

WARHEAD IS A MODIFIED VERSION OF THE CAST IRON INERT PRACTICE WARHEAD CURRENTLY IN USE. THE MODIFICATION CONSISTS OF THE 1. THE 2.75 INCH DIAMETER WARHEAD IS USED WITH 2.75 INCH ROCKET MOTORS FOR TRAINING AND TO SUPPORT TESTING PURPOSES. THIS ADDITION OF A SEALED SAFETY AND ARMING DEVICE, SMOKE CARTRIDGE, NOSE CAP, FIRING PIN, RETAINING RING, AND BLOW PLUGS. ENVIRONMENTAL PROBLEMS WITH WHITE PHOSPHOROUS (WP) CREATED THE REQUIREMENT FOR A NEW WARHEAD. IT REALISTICALLY SIMULATES THE WP IMPACT/MARKING CHARACTERISTICS TO PROVIDE ACCURATE SCORING AND OBSERVATION OF IMPACT.

2. THIS ITEM IS PROCURED BY THE SINGLE MANAGER FOR CONVENTIONAL AMMUNITION. COST IS BASED ON CONVENTIONAL AMMUNITION WORKING CAPITAL FUND (CAWCF) STANDARD PRICING.

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PAGE NO.

P-1 SHOPP LIST ITEM NO.

CODE GTY LOTAL	ROCKET HEAD SIGNATURE	JATURE			DATE:	FEBRUARY 1997	2661		
A 24280 \$64.48 A 24280 \$82.08	80 FY97		25,360	FY98	OIY:	13940	FY99	OIY:	17164
A 24280 \$64.48 24280 \$82.08	Н	SI	TOTAL	SIV	ST	TOTAL	AIV	SI	TOTAL
24280 \$82.08	\$1,566 25360	\$57.12	\$1,449	13940	\$56.88	\$793	17164	\$58.07	266\$
\$ \$2.08	\$1,566		\$1,449			\$793			266\$
LINE ITEM 24280 \$82.08	\$49 \$2 \$18 \$6 \$66 \$286		\$66 \$2 \$16 \$14 \$57 \$176			\$81 \$2 \$5 \$2 \$8 \$0 \$0			\$102 \$2 \$11 \$7 \$36 \$0
24280 \$82.08	\$427		\$331			\$126			\$158
	\$1,993 25360	\$70.18	\$1,780	13940	\$65.91	\$919	17164	\$67.29	\$1,155
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8	BUDGET PROCUREMENT	REMENT HIST	HISTORY PLANNING (P-5A)	AING (P-	5A)			A. DATE FEBR	ATE February 1997	766
. APPROPRIATION/BUDGET ACTIVITY	IVITY			C. P-1 ITE	C. P-1 ITEM NOMENCLATURE	CLATURE				
PAAF/MUNITIC	PAAF/MUNITIONS AND RELATED EQUIPMENT	QUIPMENT			2	.75" ROCKE	2.75" ROCKET HEAD SIGNATURE	TURE		
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT	CONTRACTED	AWARD	DATE OF FIRST	QUANTITY	UNIT	SPECS	SPEC	IF YES, WHEN
		A TVPF			Z			MON	O'CO'O	AVAII

2.75 INCH ROCKET HEAD SIGNATURE										
FY 1996@	LOCKHEED MARTIN	C/FP (OPTION)	ARMY/AMCCOM (AFMC/OO-ALC)	SEP 96	SEP 97	24280	82.08			
FY 1997	LOCKHEED MARTIN	C/FP (OPTION)	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 97	SEP 98	25360	70.18	YES	Q.	
FY 1998	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/00-ALC)	MAR 98	SEP 99	13940	65.91	YES	Q.	
FY 1999	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 99	SEP 00	17164	67.29	YES	9	
		****					· · · · · · · · · · · · · · · · · · ·			
										

D. REMARKS © LOCKHEED MARTIN IS LOCATED IN BURLINGTON, VT

Exhibit P-5A	
PAGE NO.	0
P-1 SHOPP LIST ITEM NO.	2

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LCKHD MRTN FY 94 AF	-	14.5	0 14.5	10	7.0	7.0 7.5		_				-			<u> </u>	MARIATH MAY JUN JUL AUG SEP OCT	NAM.	N OIL	Yng (8 8	NO.	DEC	NOV DEC JAN FEB MAR APR MAY JUN JUL	MARA	PR	A TON		AUG SEP	
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LCKHD MRTN FY 95 AF	-	25.8	25.8	0					_									+		-		+	1	1	+	
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				8	OT NOV	DEC JA	OCT NOV DEC JAN FEB	MARIAR	R MAY	חר אחר	MARIAPRIMAY JUNI JUL, AUGISEP JOCT INOV DEC JAN FEB MARIAPRIMAY JUNI JUL. AUGISEP JOCT NOV DEC JAN EER MARIARD MAX. IIII IIII	OCTINO	/DEC JAN	FEB M	AR APR	AAY JUN		SEP	Too	ON DEC	2	9	400	-	-	- {
MANUFACTURER'S NAME AND LOCATION	PROD RATES	RATES		REA.				ā	3OCU	EMEN	PROCUREMENT LEAD TIME	ME			REM	REMARKS: QUANTITY IN THOUSANDS.	OUAN	TTY IN	THOU	SANDS		The latest	CE L	NOC L	100	arr.
LOCKHEED MARTIN	MIN 1-8-	1-8-5 MAX		\$ HO				PR 1 OCT	ш	APT 1 OCT		MANUFACTURING	TOTAL	TOTAL AFTER												
JRLINGTON, VT				1	INITIAL			1			-	TIME			_											
					DECIDEDED	٩		2		ه ام		2 9		54	_											
								9	1	٥		12		18	4											
										P-1 SH		LIST	à	PAGE									PAGE	2 0	OF 2	PAGES
										ITEM NO.	NO. 2		_	NO.	_							_	EXHIBIT P-21	F P-21		

		BUDGET ITEM (EXHII	T ITEM JUSTIFI (EXHIBIT P-40)	I JUSTIFICATION BIT P-40)			DATE FEBRUARY 1997	, 1997
APPROPRIAT PAAF/MUNITIC	APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT				P-1 ITEM NOMENCLATURE ITEMS LESS THAN \$2,000,000 (ROCKETS AND LAUNCHERS)	JRE 00.000 (ROCKET	S AND LAUNCHE	RS)
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions) \$1.627	\$1.627	\$1.334	\$.050	\$.050	\$.934	\$.925	\$.927	\$.928
REMARKS								

THIS CATEGORY CONSISTS OF ROCKET LAUNCHERS, METEOROLOGICAL ROCKETS FOR GATHERING WEATHER DATA, AND VARIOUS ROCKET AND LAUNCHER COMPONENTS. THE AMOUNT BUDGETED IN FY98/99 IS TO SATISFY UNFORESEEN REQUIREMENTS SUCH AS THE 2.75 INCH INFRARED WARHEADS IN SUPPORT OF EMERGENCY CONTINGENCIES.

UNCLASSIFIED

PAGE NO.

P-1 SHOPP LIST ITEM NO. 3

		BUDGET (I	BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	CATION		-	DATE FEBRUARY 1997	1997
APPROPRIATIO PAAF/MUNITIC	APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT	QUIPMENT		P-1 5.5	P-1 ITEM NOMENCLATURE 5.56 MM	rure		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY (In Thousands)	20,058	17,487	23,273	27,235	19,034	19,034	19,034	19,034
COST (In Millions)	\$6.821	\$6.714	\$7.590	\$9.050	\$7.501	\$7.683	\$7.863	\$8.045
REMARKS								

1. THIS CARTRIDGE IS USED IN THE M-16 RIFLE AND THE SQUAD AUTOMATIC WEAPON (SAW). THE M-16 IS USED BY ALL PERSONNEL REQUIRED TO BE ARMED TO DEFEND AIR FORCE RESOURCES FROM ATTACK OR TO REPEL TERRORISTS. THE SAW HAS THE SAME BASIC MISSION BUT HAS A HIGHER RATE OF FIRE. FORCES SUPPORTED ARE PRIMARILY SECURITY AND AIR BASE DEFENSE PERSONNEL. TOTAL REQUIREMENTS INCLUDE WAR RESERVE STOCKS, ANNUAL REQUALIFICATION TRAINING REQUIREMENTS, INITIAL TRAINING ALLOWANCES AND A PIPELINE STOCK LEVEL TO MAINTAIN DELIVERY FLOW TO INDIVIDUAL UNITS.

2. THE FY 98 AND FY 99 PROGRAMS ARE FOR 5.56MM BALL (A071) AND 5.56MM BLANK M200 (A080) USED WITH THE M-16 RIFLE, AND 5.56MM BALL LINKED (A062) AND 5.56MM LINKED BALL AND TRACER (A064) USED WITH THE SAW.

3. THESE ITEMS ARE PROCURED BY THE SINGLE MANAGER FOR CONVENTIONAL AMMUNITION. COST IS BASED ON CONVENTIONAL AMMUNITION WORKING CAPITAL WORKING FUND (CAWCF) STANDARD PRICING.

7.6

UNCLASSIFIED

PAGE NO.

P-1 SHOPP LIST ITEM NO.

DEM PV96 STM O	APPROPRIATION AND P-1 LINE ITEM PAAF	TEM		5.56MM						DATE:	FEBRUARY 1997	24		
AD625 A MULCOSI TOTAL GITY UNITCOSI TOTAL GITY	LEMENT OF COST	IDENI	PY96			FY97	1	0	FY98	OIY:	1392	FY99	SIT:	1990
600 1992 1992 1993 1993 1993 1993 1993 1993		CODE	QTY	UNITCOST	TOTAL	ΑIV	UNITCOST	TOTAL	П	UNITCOST	TOTAL	ΘT	UNITCOST	TOTAL
200 P. I I I I I I I I I I I I I I I I I I	ARDWARE													
1392 8034 8480 1990 8035 856 837 8480 8035 8035 8035 8035 8035 8035 8035 80	56MIM BALL M855 LINKED (A062)	∢												
629 1431 50.02 53.7 50.06 50.05 53.7 50.00 50.02 53.7 50.00	OAD, ASSEMBLE & PACK (LAP)								1392		\$480	0661	\$0.35	8702
62) P. I ITEM NO. PAGE NO. 1 7 2 5046 P. I ITEM NO. PAGE NO. 1 7 2 5046 EXHIBIT P.5	ROPELLANI MC844 (LB)								9		\$37	8 AVUC	\$6.69	\$54
8641 8565 9565 9564 957 957 957 957 957 957 957 957 957 957									}		170		20:00	5
855 855 856 857 858 859 859 859 859 859 859 859 859 859	SUBTOTAL										\$541			1628
SS 55 56 57 1990 50.46 5 50.46	ODUCTION SUPPORT													
SS 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8	RODUCTION ENGINEERING										\$55			88
\$62) \$1392 \$0.45 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20	UALITY ASSURANCE										S			S
520 500 500 500 500 500 500 500 500 500	CCEPIANCE LESIING										\$ 3			Ö (
50 50 50 50 50 50 50 50 50 50	DUSTRIAL STOCK SUPPORT										83			<i>v c c</i>
1392 \$0.45 \$627 1990 \$0.46 PAGE NO., 72 EXHBITPS	AWCF GAIN/LOSS SURCHARGE										S			2 2
386 1392 \$0.45 \$627 1990 \$0.46 														
P.1 IEM NO. PAGE NO. 7 2 EXHBIT P.5	SUBICIAL										286			\$12
PAGE NO. 7	TOTAL 5.56MM BALL LINKED(A062)								1392		\$627	1990	\$0.46	\$916
PAGE NO. 1							4							
PAGE NO. 7														
PAGE NO. 1 7														
					P-1 ITEN	NO.	PAGE	NO.			EXHIBIT P-5			

DEMT PY96 GIV: 1089 PY97 GIV: 3888 PY98 GIV: 955 PY97 GIV: 955 PY98	APPROPRIATION AND P-1 LINE ITEM	ITEM		E E CANARA						DATE:				
0. A 1G69 80.37 S386 3.468 80.40 \$1.401 G77 G77 G77 G77 G77 G77 G77 G77 G77 G7	ELEMENT OF COST	IDENI	FVOA		1050	EV07	-	2000	90,0	- 1	FEBRUAR	7867		
ADMAN) A 1000 8037 \$386 3.488 \$0.440 \$1.401 995 \$0.38 \$3.0 100 \$0.300 \$1.30 \$1.401 \$1.400 \$1.300 \$1.		CODE	Ž.		TOTAL	740		2488	Г		382	FYSS	OIY:	1683
1056 \$50.50 \$58.6 3.488 \$50.40 \$1.401 \$956 \$50.38 \$50.50 \$	HARDWARE					8	100	200		S)	IOIAL	à	UNICOSI	TOTAL
1059 8023 8386 84040 8705 8030	5.56MM BALL TRACER, SAW (A064)	∢												
56.50 55.5	LOAD, ASSEMBLE & PACK (LAP)		1069		\$386	3488	\$0,40	\$1,401	966		\$378	1683	\$0.39	\$652
1205 50.500 57.3 11 58.63 56.70 2 56.50 1205 50.02 54.3 5 5 5 1205 50.02 54.3 5 5 1206 50.02 54.3 5 5 1207 54.3 5 5 1208 5 5 5 1209 50.02 5 1209 5 1209 5 5 1209	PROPELLANI MC8441 (IB)				\$5	8	\$5.83	\$16	_		85		\$6.69	6\$
1056 \$0.02 \$19 3500 \$0.02 \$5.0 \$17 1723 \$0.02 \$1.00 \$1	TROPELLANI MC844 (LB)		6		\$23	-		29\$	က		\$21	3	\$6.69	\$36
\$13 \$1,537 \$4,53 \$	CIAN MIZ		305		\$19	3560		\$53	1020		\$17	1723	\$0.02	\$29
\$13 \$643 \$543 \$543 \$543 \$543 \$543 \$543 \$543 \$5	SUBTOTAL		,		\$433			\$1,537			\$421			\$726
1069 \$0.62 \$551 3486 \$0.62 \$1.814 995 \$0.49 \$4.85 \$0.50 \$1.6418 PAGENO. 1 A STHERMS.	PRODUCTION SUPPORT													
1059 \$0.62 \$1.61 \$1.62 \$1.61 \$1.65	PRODUCTION ENGINEERING				\$13			\$63			\$43			874
1059 \$0.52 \$551 3.488 \$0.52 \$1,814 \$995 \$0.49 \$1,683 \$0.50 \$1,683 \$1,683 \$0.50 \$1,683 \$1,683 \$0.50 \$1,683 \$1,683 \$0.50 \$1,683 \$1,683 \$0.50 \$1,683 \$1	QUALITY ASSURANCE				S			\$2			S			\$2
S18	ACCEPIANCE FESTING				\$5			\$17			\$5			\$8
1069 \$0.62 \$651 3.488 \$0.62 \$1.814 995 \$0.49 \$488 10.50 \$0.50 \$1.814 \$995 \$0.49 \$488 \$0.50 \$1.814 \$995 \$0.49 \$488 \$0.50 \$1.814 \$995 \$0.49 \$488 \$0.50 \$1.814 \$995 \$0.49 \$488 \$1.85 \$1.814 \$995 \$1.814 \$	INTERNITION INCLUDING THE PROPERTY OF THE PROP				\$2			\$15			\$3			\$5
1069 \$0.52 \$551 3488 \$0.52 \$1.814 995 \$0.49 \$488 10.50 PAGENO, A EXHBITPS	MEDISHRAL SHOCK SUPPORT				\$18			00			\$15			\$27
1069 \$0.62 \$551 3488 \$0.52 \$1.814 995 \$0.49 \$488 1083 \$0.50	CAWOT GAILY/LOSS SOIRCHAIRGE				879			\$180			00			80
1069 \$0.52 \$1.814 995 \$0.49 \$488 1063 \$0.50	SUBTOTAL				8118	•		\$277			295			\$116
P.1 ITEM NO. PAGE NO. 1	TOTAL 5.56MM BLANK(ADSA)		1050		139	9	0.00							
PAGE NO.					3	9	70.00	410.10	\$	50.49	\$488	883	80.50	\$842
PAGE NO.				****										
PAGE NO. 1						······································					•			
PAGE NO. 1									-					
PAGE NO. 1														
PAGE NO. 1														
PAGE NO.														
7					P-1 ITEM	ġ	PAGE	NO.		யட	EXHIBIT P-5			

CODE	8			DAIE	FEBRUARY 1997	Y 1997		
A 18999 \$0.23 4,274 13999 \$0.26 23 \$5.62 129 17 \$5.07 80.26	&	13999	FY98	QIY:	20886	FY99	OIY:	21077
A 18999 \$0.23 4.274 13999 23 \$5.62 129 17 80 \$6.50 522 76 84,926 \$153 \$153 \$154 \$19999 \$2009 \$2009 \$2009 \$2009 \$2009 \$2009 \$2009 \$2009 \$2009 \$2009 \$2009 \$2009 \$2009 \$2009		ST TOTAL	ΑTA	UNITCOST	TOTAL	QIY	UNITCOST	TOTAL
80 \$6.50 129 17 80 \$6.50 522 76 \$4,925 \$7 \$153 \$7 \$153 \$7 \$19 \$19 \$209 \$900 \$13999 \$00.33 \$6.270 13999								
80 \$6.50 522 76 84,925 54,925 \$153 \$153 \$7 \$57 \$19 \$209 \$900 \$900 \$1345		S3	20886		\$4,874	21077	\$0.24	\$5,077
\$4,926 \$153 \$7 \$19 \$209 \$900 \$900 \$1,345 \$1,345		8326	26	\$5.74	\$146	26	\$5.86	\$153
\$153 \$7 \$57 \$19 \$209 \$900 \$900 \$1,345 \$1,345		ě,	3		\$5.587	0	90.09	Ace and
\$153 \$7 \$19 \$209 \$900 \$1,345 \$1,345					ion'no			29,66
\$7 \$57 \$19 \$209 \$900 \$1,345 \$1,345		000						
\$57 \$19 \$209 \$900 \$1,345 \$1,345		\$182			\$571			\$59
\$1345		\$43		-	254			\$15
\$1,345		\$38			SAD			000
\$1,345 18999 \$0.33 \$6,270 13999		\$157			\$199			3063
\$1,345		\$486			S			3
\$1,345 18999 \$0.33 \$6,270 13999								•
18999 \$0.33 \$6.270 13999	-	\$912			\$888			\$924
		\$4,900	20886	\$0.31	\$6,475	21077	\$0.32	\$6,745
P-I ITEM NO. PAGE NO.	PAG	ENO.		Δ	EXHIBIT P-5			

APPROPRIATION AND P-1 LINE ITEM PAAF	ITEM		5.56MM						DATE:	FEBRUARY 1997	76617		
ELEMENT OF COST	IDENT	FY96	QTY: 0		FY97	QTY: (0	FY98	QIV:		FY99	QTY:	2485
	CODE	ØI∖	UNITCOST	TOTAL	OIV.	UNITCOST	TOTAL	OIV	UNITCOST	TOTAL	AT/A	UNITCOST	TOTAL
HARDWARE 5.56MM BLANK, M200(A080) LOAD, ASSEMBLE & PACK (LAP) BOX METAL M2A1 PROPEL ANT WCR14 (18)	∢										2485		\$442
SUBTOTAL											N	\$0.00	<u> </u>
PRODUCTION SUPPORT PRODUCTION ENGINEERING													\$472 \$48
QUALITY ASSURANCE ACCEPTANCE TESTING													5 5
INTERIM TRANSPORTATION INDUSTRIAL STOCK SUPPORT													. \$3 818
CAWCF GAIN/LOSS SURCHARGE													80
SUBTOTAL													878
TOTAL 5.56MM BLANK(A060)											2485	\$0.22	\$547
TOTAL P-1 LINE ITEM				\$6,821			\$6,714			87,590			89,050
				The Manager of the Comment									
													,
				P-1 ITEM NO.	Ģ.	PAGE NO.	NO.			EXHIBIT P-5			

108 108	BUDGET PROCUREMEN	REMENT HIST	NT HISTORY PLANNING (P-5A)	AING (P-	5A)		ď	Δ 🛰	ATE FREIIADY 1997	8
B. APPROPRIATION/BUDGET ACTIVITY	>			C. P-1 IE	C. P-1 ITEM NOMENCLATURE	LATURE				
PAAF/MUNITIONS AND RELATED EQUIPMENT	AND RELATED EG	UIPMENT					5.56MM			
LINE ITEM/	CONTRACTOR/	CONTRACT	CONTRACTED	AWARD	DATE OF	DATE OF QUANTITY		SPECS	CDEC	IE VEG
FISCAL YEAR	LOCATION	METHOD	BY	DATE	FIRST		COST	AVAIL	>==	WHEN
		& TYPE			DELIVERY			NON	REQ'D	AVAIL

FY 1995 CLIN/LCAAP SS/CPAF ARWY/AMCCOM APR 95 OCT 95 3412800 A6 FY 1995 CUIN/LCAAP SS/CPAF ARWY/AMCCOM MAR 99 OCT 98 1392000 A6 FY 1999 CUIN/LCAAP SS/CPAF ARWY/AMCCOM MAR 99 OCT 99 1990400 A6 FY 1999 CUIN/LCAAP SS/CPAF ARWY/AMCCOM MAR 99 OCT 99 1059200 A6 FY 1990 CUIN/LCAAP SS/CPAF ARWY/AMCCOM MAR 99 OCT 99 998200 A6 FY 1997 CUIN/LCAAP SS/CPAF ARWY/AMCCOM MAR 98 OCT 99 998200 A6 FY 1997 CUIN/LCAAP SS/CPAF ARWY/AMCCOM MAR 98 OCT 99 998200 A6 FY 1997 CUIN/LCAAP SS/CPAF ARWY/AMCCOM MAR 98 OCT 99 998200 A6 FY 1998 COLIN/LCAAP SS/CPAF ARWY/AMCCOM MAR 98 OCT 99 998200 A6 FY 1999 COLIN/LCAAP SS			GILLE			DELIVERT				KEG'D AVAIL	AVAIL
OLIN/LCAAP SS/CPAF ARMY/AMCCOM APR 95 OCT 96 3412800 VAD64) OLIN/LCAAP SS/CPAF ARMY/AMCCOM MAR 99 OCT 99 1992000 VAD64) OLIN/LCAAP SS/CPAF ARMY/AMCCOM MAR 96 MAR 97 1059200 OLIN/LCAAP SS/CPAF ARMY/AMCCOM MAR 96 OCT 97 3488000 OLIN/LCAAP SS/CPAF AMRY/AMCCOM MAR 96 OCT 97 3488000 OLIN/LCAAP SS/CPAF AMRY/AMCCOM MAR 96 OCT 97 1669200 OLIN/LCAAP SS/CPAF ARMY/AMCCOM MAR 98 OCT 97 1683200 OLIN/LCAAP SS/CPAF ARMY/AMCCOM MAR 99 OCT 99 1683200	5.56MM BALL, M855 LINKED(A062)								_		
W (AD6.4) SS/CPAF ARBNY/AMCCOM MAR 99 OCT 99 1392000 W (AD6.4) OLIN/ICAAP SS/CPAF ARBNY/AMCCOM MAR 97 OCT 99 1990400 OLIN/ICAAP SS/CPAF ARBNY/AMCCOM MAR 97 OCT 97 3488000 OLIN/ICAAP SS/CPAF AMRY/AMCCOM MAR 98 OCT 97 3488000 OLIN/ICAAP SS/CPAF AMRY/AMCCOM MAR 98 OCT 97 988000 OLIN/ICAAP SS/CPAF AMRY/AMCCOMCIC) MAR 98 OCT 97 1683200 OLIN/ICAAP SS/CPAF ARRY/AMCCOMCIC) MAR 99 OCT 99 995200	۲ ۱۹۹۶	OLIN/LCAAP	SS/CPAF	ARMY/AMCCOM (AFMC/OO-ALC)	APR 95	OCT 95	3412800	.46			
W (AD6.4) SS/CPAF ARWY/AMCCOM MAR 96 OCT 99 1990400 W (AD6.4) OLIN/ICAAP SS/CPAF ARWY/AMCCOM MAR 97 1059200 OLIN/ICAAP SS/CPAF AMRY/AMCCOM MAR 98 OCT 97 3488000 OLIN/ICAAP SS/CPAF AMRY/AMCCOM MAR 98 OCT 98 995200 OLIN/ICAAP SS/CPAF ARWY/AMCCOM MAR 98 OCT 98 1683200	۲ ا	OLIN/LCAAP	SS/CPAF	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 98	OCT 98	1392000	.45	YES	9	
W (AD64) OLIN/LCAAP SS/CPAF ARWY/AMCCOM MAR 97 1059200 OLIN/LCAAP SS/CPAF AMRY/AMCCOM MAR 97 OCT 97 3488000 OLIN/LCAAP SS/CPAF AMRY/AMCCOM MAR 98 OCT 98 995200 OLIN/LCAAP SS/CPAF ARWY/AMCCOM MAR 98 OCT 98 1683200 OLIN/LCAAP SS/CPAF ARWY/AMCCOMLC) MAR 98 OCT 99 1683200	Y 1999	OLIN/ICAAP	SS/CPAF	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 99	OCT %	1990400	94.	YES	<u>S</u>	
OLIN/LCAAP SS/CPAF AMRY/AMCCOM MAR 95 OCT 97 3488000 OLIN/LCAAP SS/CPAF AMRY/AMCCOM MAR 98 OCT 98 995200 OLIN/LCAAP SS/CPAF ARMY/AMCCOM MAR 99 OCT 99 1683200	.56MM BALL TRACER FOR SAW (A064)	OLIN/LCAAP	SS/CPAF	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 96	MAR 97	1059200	.52			
OLIN/LCAAP SS/CPAF AMRY/AMCCOM MAR 98 OCT 98 995200 OLIN/LCAAP SS/CPAF ARMY/AMCCOM MAR 99 OCT 99 1683200	Y 1997	OLIN/LCAAP	SS/CPAF	AMRY/AMCCOM (AFMC/OO-ALC)	MAR 97	OCT 97	3488000	.52	YES	O _Z	
OLIN/ICAAP SS/CPAF ARMY/AMCCOM MAR 99 OCT 99 1683200 (AFMC/OO-ALC)	7 1998	OLIN/LCAAP	SS/CPAF	AMRY/AMCCOM (AFMC/OO-ALC)	MAR 98	OCT 98	995200	49	YES	Q.	
	7 1999 "CONTINUED ON NEXT PAGE ***	OLIN/LCAAP	SS/CPAF	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 99	OCT %	1683200	Š.	YES	O _N	
											
			VI.1.								

D. REMARKS OLIN CORPORATION IS PRODUCING THESE ITEMS AT LAKE CITY ARMY AMMUNITION PLANT, INDEPENDENCE, MO.

5A F 2
Exhibit P-5, PAGE 1 OF
PAGE NO.
P-1 SHOPP LIST ITEM NO, v

BUDGET PROCUREMENT	BUDGET PROCUREMENT	REMENT HIST	IT HISTORY PLANNING (P-5A)	ING (P-	5A)			A. DATE	DATE	6
B. APPROPRIATION/BUDGET ACTIVITY	ACTIVITY			C. P-1 II	EM NOME	C. P-1 ITEM NOMENCLATURE		LEDK	JAKI I	
PAAF/MUNITIO	PAAF/MUNITIONS AND RELATED EQUIPM	EQUIPMENT				5.56MM (5.56MM (CONTINUED)	6		
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT	CONTRACTED BY	AWARD	DATE OF FIRST	QUANTITY	UNIT	SPECS	SPEC REV	IF YES, WHEN

5.56MM BALL (A071)										
FY 1996	OLIN/LCAAP	SS/CPAF	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 96	OCT %	18999120	88			
FY 1997	OLIN/LCAAP	SS/CPAF	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 97	OCT 97	13999440	86	YES	O _N	
FY 1998	OLIN/LCAAP	SS/CPAF	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 98	OCT 98	20885760	18:	YES	ON	
FY 1999	OLIN/ICAAP	SS/CPAF	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 99	OCT %	21077280	.32	YES	ON	
5.56MM BLANK, M200 (A080) FY 1993	OLIN/ICAAP	SS/CPAF	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 93	. OCT 93	11362120	71.			
PY 1999	OLIN/LCAAP	SS/CPAF	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 99	OCT %	2485200	8	YES	O Z	

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MARK	OLIN CORPORATION IS
D. RE	S S

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FY98/99 BUDGET PRODUCTION SCHEDULE	NCTION.	SCHEDUL	ш		P-1 ITEM NOMENCLATURE:	ENCLATURE:	5.56MM			Ô	DATE: FEBRU	FEBRUARY 1997				
TEMMFG	SШ	PROC	ACCPT B	BAL		FISCAL YE	YEAR 97		FISCAL	FISCAL YEAR 98			FISCAL YEAR 99	EAR 99		۷ <
PROCUREMENT	a	αTΛ	PRIOR	ana	96 96 98	CALENDA	CALENDAR YEAR 97		CALEN	CALENDAR YEAR 98			CALENDAR YEAR	R YEAR 99		- u
	>		Š	\$	1-Oct OCT NOV DEC JAN	\neg	FEB MAR APR MAY JUN JU	JUL AUGISEP OCT NOVIDEC		JAN FEB MARAPH MAY JUN JUL	AUG	SEP OCT NOV DEC JA	JAN FEB MARIA	FEB MARIAPRIMAY JUN	JUL AUG SEP	,
5.56MM BALL M855 LINKED (A062)	LINK	D (A062														
OLINICAAP FY98	AF	1.4	0	4.					0			3.				L
OLINACAAP FY99	AF	2.0	0	2.0									U			2.0
5.5MM BALL I HACEH SAW (AU64)	AN I	V (AU64)			+		-									
OLINACAPP FY96	AF	=	0	-												
OLINACAPP FY97	AF	3.5	0	3.5		O		5. 5.	5. 5. 5. 5.	5 .5						
OLINACAPP FY98	AF	1.0	0	1.0						_		3.				
OLINACAPP FY99	AF	1.7	0	1.7									C			1,
5.56MM BALL (A071)																
OLINACAAP FY 96	AF	19.0	2.0	17.0	5. 6.	2 7. 2.	2.0 2.0 2.3 2.	2.0 2.0 3.0								_
OLINACAAP FY 97	AF	14.0	0	14.0		O			1.0 1.0 1.0	0 1 0 1 0 1 0	0 2 0 2 0					
OLINACAAP FY 98	AF	20.9	0	20.9								2.0 1.0	2.0 1.0 2.0 2	20 20 20	2.0 1.0 2.0 1.9	
OLINACAAP FY 99	AF	21.1	0	21.1									Ö			21.
5.56MM BLANK (A080)	Q															
OLINACAPP FY99	AF	2.5	0	2.5									O			2.5
TOTAL		88.2	2.0	86.2	3. 6. 7.	.5 1.8 2.	2.0 2.0 2.3 2.	2.0 2.0 3.0 1.5 1.5	1.5 1.5 1.5 1.5	1.5 1.0 1.0 1.0	0 2.0 2.0 3.0	3.0 1.4	2.0 1.0 2.0 2	2.0 2.0 2.0	1.0 2.0 1.9	9 27.3
				J	OCT NOV DEC JAN	FEB MAR	IN JUN JUN	APRIMAYJUN JUL, AUGISEP OCTINOV DEC JAN FEB MARIAPRIMAYJUN JUL. AUGISEP OCTINOV DEC JAN FEB MARIAPRIMAXJUN JUL.	DEC JAN FEB MAR	APR MAY JUN JUL	AUG SEP OCT	NOV DEC. JA	N FEB MARA	NAW AC	AIGSE	
MANUFACTURER'S NAME AND LOCATION	PH OF	PROD RATES		REA-		P	3OCUREMEN	PROCUREMENT LEAD TIME		REMARKS: LCAAP = LAKE CITY ARMY AMMUNITION PLANT. QUANTITY IN	AAP = LAKE C	TY ARMY A	MMUNITION	I PLANT. Q	UANTITY IN	
	Z	1-8-5 MAX		ᆶ		ADMI	ADMIN LEAD TIME	MANUFACTURING	TOTAL AFTER	MILLIONS.						
OLINICAAP, A080 INDEPENDENCE.	0	21.2	68.3			PR 1 0CT	CT AFT 1 OCT		1001							
MO. A064	0	11.5	39.3		INITIAL	9	9	7	13							
A082	0	15.08	52.1		REORDER	9	9	7	13							
A071	0	50.8	72.8				P-1 SH	P-1 SHOPPING LIST	PAGE				b,	PAGE 1	OF 2 PA	PAGE
							ITEM NO.	NO.	NO.	6			Ω	EXHIBIT P-21		
	4							4		,						

FY88/89 BUDGET PRODUCTION SCHEDULE																						•
	SCHE	<u></u>	_	P-1	P-1 ITEM NOMENCLATURE:	NCLATUR	-	5.56MM)	DATE:	FEBRUARY 1997	1997						1
	PHOC	ACCPT	T BAL			FISCAL YEAR 00	YEAR 00				FISCAL	FISCAL YEAR 01					FISCAL	FISCAL YEAR 02	2		7	
¥	H OTY	PRIOR	a DUE	66	66 66		CALEND	CALENDAR YEAR 00	R 00			CALENDAR YEAR 01	AR YE	NR 01			S	CALENDAR YEAR 02	YEAR	22		- ш
		1-00		oct oct	1-Oct OCT NOV DEC JAN	N FEB MAR APR MAY		JUN JUL	AUG SEP	OCT NOV DEC JA	JAN FEB MAR	MAR APR MAY JUN JUL	JUN JUN		AUG SEP OCT NOV DEC	/DEC JAN		FEB MAR APR MAY JUN JUL	NOL Y	JL AUG SEP		~
5.56MM BALL M855 LINKED (A062)	(ED (AC	(29																				
OLINICAAP FY98 AF	F 1.4		1.4	0																		0
OLINICAAP FY99 AF		2.0	0	2.0 .5	5.5	5.									-							0
5.5MM BALL TRACER SAW (A064)	NW (AOE	Ã													_							
OLINICAPP FY96 AF	F 1.1	1.1		0																		0
OLINICAPP FY97 AF	F 3.5		3.5	0																		0
OLINICAPP FY98 AF		1.0 1.	1.0	0																		0
OLINICAPP FY99 AF	F 1.7		0.	1.7 1.0	.7										_							0
5.56MM BALL (A071)																						
OLINICAAP FY 96 AF	F 19.0	0.61 0.		0												_						0
OLINICAAP FY 97 AF	F 14.0	.0 14.0		0																		0
OLINACAAP FY 98 AF	F 20.9	9 20.9		0																		0
OLINACAAP FY 99 AF	F 21.1		0 21.1	.1 2.0	1.0 1.0	2.0 1.0 2.0	2.0 2.0	2.0 2.0	2.0 2.1													0
5.56MM BLANK (A080)																						
OLINICAPP FY99 AF		2.5	0 2.	2.5 1.0	1.0 .5																	0
		-	_																			
	_		_																			
TOTAL	88.2	2 60.9	.9 27.3	.3 4.5	3.2 2.0	2.5 1.0 2.0	2.0 2.0	2.0 2.0	2.0 2.1 0	0	0 0	0	0	0	0	0	0	0	0	0	0	0
				OCT	OCT NOV DEC JAN FEB MAR APR MAY	FEB MAR		JUN JUL	JUN JUL AUG SEP OCT NOV DEC JAN FEB MARIAPR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MARIAPR MAY JUN JUL AUG SEP	NOV DEC J	IN FEB MAR	APR MA)	or Nor	L AUG S	EP OCT NO	/ DEC JA	N FEB MA	R APR MA	NOC AX	UL AUG	SEP	
MANUFACTURER'S	PROD RATES	NTES	REA-				PROCU	PEMENT	PROCUREMENT LEAD TIME			REMAR	KS: LC	AAP = L	REMARKS: LCAAP = LAKE CITY ARMY AMMUNITION PLANT, QUANTITY IN	ARMY A	MMUNITIC	ON PLAN	T. QUA	NTITY IN	7	
MIN	IN 1-8-5	5 MAX	CHO			A.	ADMIN LEAD TIME	TIME	MANUFACTURING		TOTAL AFTER		ž.									
OLINACAAP, A080 INDEPENDENCE.	0 21.2	.2 68.3	6			R	PR 1 OCT A	AFT 1 OCT	TIME		1 OCT											
MO. A064	0 11.5	.5 39.3	6	INITIAL	AL		မှ	မှ	7		13											
A062	0 15.08	38 52.1	-	REC	REORDER		9	9	7		13										•	
A071	0 20.0	.9 72.8	80					P-1 SHC	P-1 SHOPPING LIST		PAGE							PAGE	8	0F 2	PAGES	.
								ITEM NO.	Š.		NO.							EXHIBIT P-21	IT P-21			
									4		7											

		BUDGET ITEM J	TITEM JUSTIF	USTIFICATION			DATE	
			(EXHIBIT P-40)				FEBRUARY 1997	Y 1997
APPROPRIATI PAAF/MUNITIC	APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT	VITY) EQUIPMENT			P-1 ITEM NOMENCLATURE 30 MM TRAINING	ATURE		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY (In Thousands)	623	408	3,728	2,496	2,160	2,170	2,188	2,507
COST (In Millions)	\$7.000	\$3.160	\$27.447	\$18.743	\$17.837	\$18.325	\$18.918	\$22.172

- THE A-10 AIRCRAFT AND THE GPU-5/A 30MM GUN POD ON THE F-16 AIRCRAFT. THE CARTRIDGE IS MECHANICALLY PRIMED AND HAS NO FUZE, WHILE THE PROJECTILE IS A SOLID SLUG DESIGNED TO MATCH THE BALLISTICS OF HIGH EXPLOSIVE INCENDIARY (HEI) AND ARMOR PIERCING 1. THIS CARTRIDGE IS A 30MM ROUND WITH A SOLID, INERT PROJECTILE USED TO TRAIN AIRCREWS IN THE USE OF THE GAU-8/A CANNON ON INCENDIARY (API) CARTRIDGES.
- 2. THIS ITEM IS PROCURED BY THE SINGLE MANAGER FOR CONVENTIONAL AMMUNITION. COST IS BASED ON CONVENTIONAL AMMUNITION WORKING CAPITAL FUND (CAWCF) STANDARD PRICING.
- 3. FY 98 QUANTITY DIFFERS FROM P-1 ENTRY DUE TO UPDATED COST ESTIMATES.

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PAGE NO.

LIST ITEM NO. P-1 SHOPP

APPROPRIATION AND P-1 LINE ITEM	ITEM		30NANA TD	AM TDAINING MINING					DATE:		3		
ELEMENT OF COST	IDENT	FY96	SOLVIIVI IIIS	623	FY97	OIY:	408	FY98	SIN:	3728	FY99	SIV:	2496
	CODE	QIV	ξ	TOTAL	QIV	15	TOTAL	QIV	15	TOTAL	QIV	10	TOTAL
HARDWARE LOAD, ASSEMBLE, AND PACK (LAP)	∢	623300		\$5.231	408250	\$5.86	308.08	3728300	26.40	\$23 863	2/05500	64.53	\$14.90K
CONTAINER CNU-332E		1123	Ś	\$249	719	Š	\$198	6714	\$178.56	\$1,199	4491	\$182.25	8818
TUBE STRAP		639054 1284343		\$112 \$45	418789	\$0.15 \$0.03	\$64	3822763 7682820	\$0.17	\$666	2556935	\$0.18 \$0.03	\$455 \$170
SUBTOTAL				\$5,637			\$2,682			\$25,977			\$17,739
PRODUCTION SUPPORT GUALITY ASSURANCE ACCEPTANCE TESTING INTERIM TRANSPORTATION INDISTRAN STOCK SUPPORT				88 88 88 88 88 88	···		\$4 \$29 \$25			\$65 \$299 \$187			\$204 \$204 \$128
CAWCF GAIN/LOSS SURCHARGE				\$239			\$313			6168			8628
SUBTOTAL				\$1,363			8478			\$1,470			\$1,004
TOTAL P-1 LINE ITEM		623300	\$11.23	\$7,000	408250	\$7.73	\$3,160	3728300	\$7.36	\$27,447	2495500	\$7.51	\$18,743
		ij		P-1 ITEM NO.	NO.	PAGE	PAGE NO.			EXHIBIT P-5			
							-1			AGE 1 CI .			

				7						
	BUDGET PROCUREMENT HISTORY PLANNING (P-5A)	EMENT HIST	TORY PLANN	JING (P-			-V	0	ATE EBRUARY 1997	266
B. APPROPRIATION/BUDGET ACTIVITY	IVITY			C. P-1 ITE	C. P-1 ITEM NOMENCLATURE	LATURE				
PAAF/MUNITIC	PAAF/MUNITIONS AND RELATED EQUIPMEN	DUIPMENT				30MM	30MM TRAINING			
LINE ITEM/	CONTRACTOR/	CONTRACT	CONTRACTED	AWARD	DATE OF	QUANTITY	UNIT	SPECS	SPEC	IF YES.
FISCAL YEAR	LOCATION	METHOD	BY	DATE	FIRST		COST	AVAIL	REV	
		& TYPE			DELIVERY			MON.	REQ'D	AVAIL

									Ne de la	-
30MM TRAINING	-									
FV 1996	ALLIANT®	C/FP OPTION	ARMY/AMCCOM (AFMC/OO-ALC)	APR 96	MAR 97	623300	11.23			
FY 1997	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 97	MAR 98	408250	7.73	YES	<u>8</u>	
FY 1998	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 98	MAR 99	3728300	7.36	YES	<u>S</u>	
FY 1999	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 99	MAR 00	2495500	7.51	YES	Q	

D. REMARKS @ ALLIANT TECH SYSTEMS INC, IS LOCATED IN JOLIET, IL.

UNCLASSIFIED

PAGE NO.

P-1 SHOPP LIST ITEM NO.

Exhibit P-5A

CALENDARY YEAR 97 FISCAL YEAR 98 CALENDARY YEAR 99 CALENDA	TOTAL SCHOOL OF THE PORT OF TH	UCTION :	SCHEDULE		P-1 ITEM N	P-1 ITEM NOMENCLATI	JRE	30MM TRAINING	SNING								l
FYOM ALT 2.50 O 250 O 726 O 7 26 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ITEMAKEG		PROC ACC	T. DAI		1	New New York				DAIE	BHUAHY 1997					ŀ
H OTY From Due 666 666 Gallerina CALENDAR YEAR 688	PROCUREMENT			1		L	SCAL YEAR)A		FISCA	L YEAR 98		FISC	AL YEAR 9	6		J 4
FY09 AF 0.02 0 0.02 1.00 COT NOV DEC JAN FEB MAN APPRIANY JAN JAN SEP OCT NOV DEC JAN FEB MAN APPRIANY JAN JAN JAN SEP OCT NOV DEC JAN FEB MAN APPRIANY JAN JAN JAN SEP OCT NOV DEC JAN FEB MAN APPRIANY JAN JAN JAN SEP OCT NOV DEC JAN FEB MAN APPRIANY JAN JAN JAN SEP OCT NOV DEC JAN FEB MAN APPRIANY JAN	YEAR			a Due		98	CAL	ENDAR YEA	R 97		CALENDAR YEAR 98			CALENDAE	YEAR 99		- u
FY96 AF 0.62 0.02 0.04 0.04 0.10 10 10 10 10 10 10		•	¥		TOCT NOV D	EC JAN FE		MAY JUN JUL	AUG SEP OCT N	OV DEC JAN FEB 144	S S S S S S S S S S S S S S S S S S S	- 1		-			
FY99 AF 0.41 0 0.41		AF	0.62				10 10	10 10	5		משעו אחוו אחון אחון אחון	OCI NOV DEC	JAN FEB R	AAR APR MA	IV JUN JUL	AUG SEP	1
FY99 AF 2.50 0 2.50		AF					O				9				+		
FY99 AF 2.50 0 2.50 1 1 1 1 1 1 1 1 1		AF									0.01			+		+	4
7.26 0 7.26 0 7.26 0 0 0 0 0 0 10 10 10 10 10 10 10 10 10		Ą		<u></u> .										6	.32	ह्	1.55
7.26 0 7.26 0 7.26 0 0 0 0 0 0 10 10 10 10 0 0 0 0 0 0 0														O		-	2.50
T.26 O 7.26 O 0 0.0 10 10 10 10 10 10 10 10 10 10 10 10 10																+	
7.26 0 7.26 0 0 0 10 10 10 10 10 10 0 0 0 0 0 0 0						-		+		+							
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7.26 0 7.26 0 0 0.0 10 10 10 10 10 10 10						+		-									
ERS PROD RATES REA ADMINIED LIMITED TIME MANUFACTURING TOTAL AFTER ADMINITION WORKLOAD. CO. 10. 10. 10. 11. 10. 10. 10. 10. 10. 10	OTAI				-												
PROD RATES Real			l		5	0		10 10	8	0. 0. 0.	.10 .10 .11 .00	00	8	-	ç		
PROD RATES REA. PROCUREMENT LEAD TIME REMARKS: ATI = ALLIANT TECH SYSTEMS INCORPORATED.					OCT NOV D	EC JAN FEB		AV IIIN	929 014				3	5	, Sc.	(S:	
MIN 1-8-5 MAX CH 04	AANUFACTURER'S AME AND LOCATION	PROD	RATES	REA.				UREMENT	I FAD TIME	VIDECIJAN IFEB IMA	REMARKS: AT! = A! I AN	OCT INOVIDEC	JAN FEB IN	ARIAPRIMA	YUN JUL	NUG SEP	
0.15 0.36 0.70 PRI 1 OCT TIME 1 OCT TIME 1 OCT AMMUNITION WORKLOAD. INITIAL 6 12 18 AMMUNITION WORKLOAD. REORDER 4 12 16 PAGE PAGE 10 PAGE 1 OF TIEM NO. 6 NO. C. A EXHIBIT P-21			1-8-5 MAX	CHO			APPARIN	AD THAC		-	QUANTITIES IN MILLIONS		EMS INCO	H CHAIR	i i		
6 12 18 16 19 16 19 16 10 10	LLIANT TECH OLIET IL	0.15	0.38 0.7	0			41	AFT 1 OCT	TIME		PRODUCTION SCHEDULE AMMUNITION WORKLOAD	BASED ON 1	TOTAL PRO	DECTED	MEDIUM C	ALIBER	
P-1 SHOPPING LIST PAGE TEM NO. 6 NO. 5.1 EXHIBIT P-21					INITIAL			9	12	67							
PAGE 1 OF NO.					REORDER			*	12	16							
NO. SALENDIT P-21								P-1 SHO	PPING LIST	PAGE			į	PAGE	2	040	
								ITEM N	9 .0	Ŏ.	VC			EXHIBIT	5	2	u

Proc. Accept BAL Proc. Accep	S CHEDOLE	0	SCHEDOL SCHEDOL			P-1 ITEM NOMENCLATURE: 30MM TRAINING	ENCLATUR	7E: 30M	MILLAIN	ING		DATE: FEBRI	FEBRUARY 1997			
Fig. Ar 100	PROCUREMENT		PROC	AOOPT B.	₹		FISCAL	YEAR 00			FISCA			SCAL YEAR 10		
FY96 AF 0.45 0.	YEAR	****		PRIOR	3	66 66		CALEND	AR YEAF	300		CALENDAR YEAR 01		CALENDAR Y	EAR 02	
FY99 AF 250 0 250 0 250 0 250 0 20 20 20 20 20 20 20 20 20 20 20 20		6 AF	0.62	200	9 6	CT NOV DEC J	AN FEB MAR	APR MAY,	JUL JUL	AUG SEP OCT N	IOV DEC JAN FEB M	ARAPR MAY JUN JUL AUG SEP OC	T NOV DEC JAN FE	B MAR APR MAY J	UN JUL	UG SEP
F1996 AF 2.50 0 2.50 30 30 30 30 30 30 30		7 AF	0.41	1	0										4	-
F1999 AF 2.50 0 2.50 1 30 30 30 30 30 30 30		8 AF	3.73	2.18		.31									7	+
7.26 3.21 4.05 31 31 31 31 31 31 31 31 31 31 31 31 31	1	9 AF	2.50	0	2.50			œ. 30	8	.30	10				-	-
7.26 3.21 4.05 3.1 3.1 3.1 3.1 3.0 3					+				-							-
T26 321 4.05 31 31 31 31 30 30 30 30		-			+				7							
726 321 4.05 31 31 31 31 31 31 31 31 30 30 30 30 30 30 10 00 00 00 00 00 00 00 00 00 00 00 00					+											-
T26 321 4.05 31 31 31 31 31 30 30 30 30 30 30 30 30 0 0 0		-														
T.26 321 4.05 31 31 31 31 31 31 31 3										+					1	
7.26 3.21 4.05 31 31 31 31 31 31 31 3		_		+												
7.26 3.21 4.05 3.1 3					+			1	1							-
PROD RATES Rec. CCT NOV DEC JAN FEB MAR APRIL ALL	OIAL		7.26	3.21		.31	.31	8	8	.30	00.00	00. 00. 00. 00. 00. 00.	00. 00.	00. 00.	8	
PROD PATES REA. PROCUREMENT LEAD TIME	A SA				8	TNOVIDECIA		PR MAY JU	N JUL N	UGI SEP OCT NO	V DEC JAN FEB MA	APP WAY IN WAS COLUMN	0101			
MIN 1-8-5 MAX CH 0+ ADMIN LEAD TIME TOTAL AFTER PRODUCTION SCHEDULE BASED ON TOTAL PROJECTED MEDIUM CAL	AME AND LOCATION	PRO	HATES		ż		4	PROCURE	MENT	EAD TIME		REMARKS: ATI = ALLIANT TE	CH SYSTEMS IN	IMARIAPH IMAY JU	N JUL IN	GISEP
0.15 0.38 0.70 PR 1 OCT TIME 1 OCT AMMUNITION WORKLOAD. INTIAL 6 12 18 AMMUNITION WORKLOAD. FROBER PAGE 2 OF 2 P-1 SHOPPING LIST PAGE NO. C. F. EXHIBIT P.21	HINAT TECH	Z	1-8-5 №		đ		ADA	MIN LEAD TI		IANUFACTURING		QUANTITIES IN MILLIONS.	101 101			
6 12 16 12 16 PAGE 2 OF 2 ITEM NO. 6 NO. C. F. EXHIBIT P.21	OUETIL	0.15	0.38	0.70	+		PR 1		1001	TIME	10CT	AMMUNITION WORKLOAD.	SED ON TOTAL!	HOVECTED ME	DIOMIC	ALIBER
P-1 SHOPPING LIST PAGE ITEM NO. 6 NO. C. F. EXHIBIT P-21				+	Ž	TIAL			9	12	18					
PAGE 2 OF 2 NO. C. C. EXHIBIT P-21					出	ORDER	-	-	4	12	16					
6 NO. C. C. EXHIBIT P.21								ď	1 SHOPI	PING LIST	PAGE			1		
									TEM NO			1.6		EXHIBIT P.	5	

P-1 ITEM NOMENCLATURE CARTRIDGE CHAFF RR-180 FY 2000 FY 2001 FY 2002 F			BUDGET	BUDGET ITEM JUSTIFICATION	CATION			DATE	
P-1 ITEM NOMENCLATURE CARTRIDGE CHAFF RR-180 FY 2002 FY 2000 FY 2002 FY 20				(EXHIBIT P-40)				FEBRUARY	1997
FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 F 845 597 801 802 668 \$12.088 \$8.734 \$11.885 \$12.169 \$10.379	APPROPRIATIC	N/BUDGET ACTIV	VITY		P-1 ITE	M NOMENCLATU	RE		
FY 1996 FY 1996 FY 1999 FY 2000 FY 2001 FY 2002 F 1 550 0 845 597 801 802 668 1 \$7.687 \$0 \$12.088 \$8.734 \$11.885 \$12.169 \$10.379	PAAF/MUNITIO	NS AND RELATE	EQUIPMENT		CARTE	NIDGE CHAFF RR	180		
550 0 845 597 801 802 668 37.687 \$0 \$12.088 \$8.734 \$11.885 \$12.169 \$10.379		FY 1996	FY 1997	FY 1998	j	FY 2000	FY 2001	FY 2002	FY 2003
\$7.687 \$0 \$12.088 \$8.734 \$11.885 \$12.169 \$10.379	QUANTITY (In Thousands)	550	0	845	265	801	802	899	821
	COST (In Millions)	\$7.687	\$0	\$12.088	\$8.734	\$11.885	\$12.169	\$10.379	\$13.060

DIPOLES FOR THE PURPOSE OF INTERRUPTING THE TRACKING OF THE FLIGHT PATH BY RADAR EQUIPMENT. THE CHAFF CARTRIDGE FITS INTO A MULTIPLE CARTRIDGE MAGAZINE (MJU-11) WHICH IS INSTALLED IN AN AN/ALE-45 CHAFF FLARE DISPENSING SYSTEM ON THE F-15 AND IN AN AN/ALE-40 DISPENSING SYSTEM ON THE A-10, F-111, F-16, C-130 AND C-5 AIRCRAFT. THE RR-180 IS DISPENSED FROM THE MAGAZINE WITH A 1. THE RR-180 CHAFF CARTRIDGE PROVIDES AIRBORNE COUNTERMEASURE CAPABILITY TO DISPENSE MULTIPLE FREQUENCY REFLECTING BBU-48 CARTRIDGE.

2. THE CHAFF CARTRIDGE CONSISTS OF A TWO-CHAMBER SQUARE PLASTIC TUBE CONTAINING A RECEPTACLE FOR AN IMPULSE CARTRIDGE (BBU-48), TWO PISTONS, TWO CHAMBERS WITH DIPOLES, AND TWO RUBBER END CAPS, EACH SECURED WITH TWO END CAP LUGS.

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PAGE NO.

P-1 SHOPP LIST ITEM NO.

APPROPRIATION AND P-1 LINE ITEM PAAF	-		CARTRIDGE CHAFF RR-180	CHAFFR	R-180				DATE:	FEBRUARY 1997	% 7		
ELEMENT OF COST	IDENT	FY96	QIY:	550	FY97	OIY:	0	FY98	QIY:	845	FY99	QIY:	597
	CODE	QIY	UNIT COST	TOTAL	ΘIY	UNIT COST	TOTAL	MN	UNIT COST	TOTAL	QTY	UNIT COST	TOTAL
<u>RR-180</u> HARDWARE	∢	549960	\$6.44	\$3,542				844723	\$6.73	\$5,685	596584	\$6.89	\$4,110
SUBTOTAL				\$3,542						\$5,685			\$4,110
BBU-48 Hardware	∢	564960	\$6.98	\$3,945				844723	\$7.58	\$6,403	596584	\$7.75	\$4,624
FIRST ARTICLE TESTING				\$200						**************************************			
SUBTOTAL				\$4,145						\$6,403			\$4,624
TOTAL P-1 LINE ITEM		549960		\$7,687				844723		\$12,088	596584		\$8,734
				P-1 ITEM NO.	NO.	PAG	PAGE NO. 7			EXHIBIT P-5			
					7		17		Ī	PAGE 1 OF 1			

	BUDGET PROCUREMENT	B	HISTORY PLANNING (P-5A)	NING (P.	-5A)			A. DATE	۳	
								H	FEBRUARY 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY PAAF/MIINITIONS A	V/BUDGET ACTIVITY PAAF/MIINITIONS AND BELATED EQUIDATED	COLLIDAGENT		C. P-1 ITE	C. P-1 ITEM NOMENCLATURE	LATURE				
I IAIC ITEAA	CONTRACTOR	ESCOIL INICIAL				CARTRIDGE	CARTRIDGE CHAFF RR-180	율		
FISCAL YEAR	LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC PEC PEO:D	IF YES, WHEN
CARTRIDGE CHAFF RR-180										_
FY 1996	TRACOR	C/FP	NAVY/NOC (AFMC/OO-ALC)	. SEP 96	26 TOT	549960	6.44			
FY 1998	UNKNOWN	C/FP	NAVY/NOC (AFMC/OO-ALC)	AUG 98	MAY 99	844723	6.73	YES	ON	W. 1
FV 1999	UNKNOWN	C/FP	NAVY/NOC (AFMC/OO-ALC)	AUG 99	MAY 00	596584	6.89	YES	O <u>N</u>	
IMPULSE CART BBU-48										
FY 1996@	QUANTIC #	C/FP	AFMC/OO-ALC	SEP 96	MAY 97	338976	7.25			
FY 1996@	CAPCOS	C/FP	AFMC/OO-ALC	SEP 96	AUG 97	225984	6.58			
FY 1998	UNKNOWN	C/FP	AFMC/OO-ALC	SEP 98	99 NAL	844723	7.58	YES	N _O	
FY 1999	UNKNOWN	C/FP	AFMC/OO-ALC	SEP 99	JAN 00	596584	7.75	YES	ON	

- D. REMARKS

 TRACOR IS LOCATED IN LILLINGTON, NC.

 PY 95 AND FY 96 PROCUREMENTS WERE COMBINED AND AWARDED IN A 60/40 SPLIT BETWEEN TWO CONTRACTORS.

 QUANTIC IS LOCATED IN HOLLISTER, CA.

 CAPCO IS LOCATED IN GRAND JUNCTION, CO.

	Exhibit P-5A		
DACENO		C (07
P-1 SHOPP LIST	TEM NO		7

FISCAL YEAR 98	The second of th	CHONS	CHEDOLE	+	1	P-1 IT EM NOMENCLATURE:		CARTRIDGE	CARTRIDGE CHAFF RR-180		DATE: FE	FEBRUARY 1997				
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P-1 SHOPPING LIST PAGE 1 OF TEM NO. 7 NO.	APCO BAND JUNCTION, CO		_	*	80	30-48		12	4	16	96 ALT INCREASED FOR RI	R-180 CHAFF DUE	E TO PRICE	OHALLENGE BY (ICLE TEST.	¥ ±
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TRACOR LILLINGTON, NC	N/A N/A	NA NA		+				æ	PR 1 OCT	AFI	AFT 1 OCT		TIME			1 OCT		DELAT IN AVAILABILITY OF TECHNICAL DATA PACKAGE. FUNDING COMBINED WITH FY 86 FOR SPLIT CONTRACT AWARD. MANUFACTURING LEAD TIME (MLT) FOR FY 96 BBU.	SPLIT	CONTR	ACT A	WARD.	MANU	ATA PA	ACKAG JRING I	E. FUN	INE (N	CT) FO	ED WIT	HFY BBL
QUANTIC HOLLISTER, CA	N/A N/A	N/A N/A	-	Æ	RR-180			_			=		6			ଷ	4 11	48 PRODUCTION ADJUSTED TO AVOID PRODUCTION BREAKS AT EACH CONTRACT FACILITY. FY 95 MLT FOR CAPCO ADJUSTED TO ALLOW FOR FIRST APTICLE TEST. FY	OUCTIO	N ADJ	USTED FOR C	APCO,	ADJUS	PODUC TED TO	TIONE	W FOR	ATEA	CHCO	NTHAC	1
GRAND JUNCTION, CO	N/A N/A	I/A N/A		88	BBU-48			_			12		4			16	Φ.	96 ALT INCREASED FOR RR-180 CHAFF DUE TO PRICE CHALLENGE BY GOVERNMENT.	NCREA	SED F	AR RC	-180 CF	IAFF D	UE TO	PRICE	CHALL	ENGE	BY GO	/ERNM	N.
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		BUDGET ITEM J	LITEM JUSTIFI	JUSTIFICATION			DATE	
			(EXHIBIT P-40)				FEBRUARY 1997	
APPROPRIATIO PAAF/MUNITIO	APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT	VITY D EQUIPMENT		- O	P-1 ITEM NOMENCLATURE CABTRIDGE CHAFF RB-188	TURE		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY (In Thousands)	523	507	0	968	1797	1805	1820	2227
COST (in Millions) \$1.192	\$1.192	\$1.191	\$0	\$2.186	\$4.481	\$4.608	\$4.756	\$5.953
DEMADKS								

TEMAHAN

- 1. THE RR-188 CHAFF CARTRIDGE CONTAINS A PAYLOAD OF CHAFF WHICH CAN BE DISPENSED DURING FLIGHT FOR TRAINING REQUIREMENTS. CHAFF CARTRIDGES, THE RR-188 CARTRIDGE FITS INTO A MULTIPLE CARTRIDGE MAGAZINE (MJU-11 OR MJU-15), WHICH CAN BE INSTALLED IN THE FUNCTIONAL CHARACTERISTICS ARE SIMILAR TO THE RR-170 AND RR-180 CHAFF COUNTERMEASURES CARTRIDGES. LIKE THE COMBAT ANY OF THE ALE-40 SERIES FLARE/CHAFF DISPENSING SYSTEMS ON SEVERAL TYPES OF AIRCRAFT. HOWEVER, USE OF RR-170 AND RR-180 PAYLOAD DOES NOT INTERFERE WITH AIR TRAFFIC CONTROL RADAR, IT PROVIDES THE ALTERNATIVE NECESSARY FOR REALISTIC COMBAT CHAFF IS SEVERELY LIMITED BY FAA REGULATIONS DUE TO INTERFERENCE WITH AIR TRAFFIC CONTROL RADAR. BECAUSE THE RR-188 AIRCREW TRAINING
- 2. THE RR-188 CHAFF CARTRIDGE CONSISTS OF A SQUARE PLASTIC TUBE APPROXIMATELY .97 INCHES IN WIDTH, .97 INCHES IN HEIGHT, AND 8.145 INCHES LONG WITH A RECEPTACLE FOR AN IMPULSE CARTRIDGE, (BBU-35/B), PLASTIC PISTON, CHAFF DIPOLE PAYLOAD, AND A PLASTIC END CAP. CHAFF CARTRIDGES CONTAIN NO EXPLOSIVE OR INCENDIARY COMPONENTS WHEN THE IMPULSE CARTRIDGE IS NOT INSTALLED.

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PAGE NO.

LIST ITEM NO. P-1 SHOPP

	BUDGET PROCUREMENT	UREMENT HI	HISTORY PLANNING (P-5A)	NING (P.	-5A)			A. DATE FEBR	ATE February 1997	1997
B. APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS A	V/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT	EQUIPMENT		C. P-1 ITE	C. P-1 ITEM NOMENCLATURE	CAPTORE	ATURE	90		
LINE TEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV PEG'D	IF YES, WHEN
CARTRIDGE CHAFF RR-188										_
FY 1996 @	TRACOR	C/FP (OPTION)	NAVY/SPCC (AFMC/OO-ALC)	MAR 96	JAN 97	522720	2.28			
FY 1997	UNKNOWN	C/FP	NAVY/SPCC (AFMC/OO-ALC)	MAR 97	JAN 98	506760	2.35	YES	S S	
FY 1999	UNKNOWN	C/FP	NAVY/SPCC (AFMC/OO-ALC)	MAR 99	JAN 00	895901	2.44	YES	8	

D. REMARKS

© TRACOR IS LOCATED IN LILLINGTON, NC.

Exhibit P-5A		
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P-1 SHOPP LIST	TEM NO.	80
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FY98/90BUDGET PRODUCTION SCHEDULE	S NOLL	HEDULE	1		P-1 ITEM NOMENCLATURE:	EMR	OMEN	SEA.	SHE	\dashv	S	TRIC	GEC	AFF	CARTRIDGE CHAFF RR-188	8						_	DATE:		EBA	UARY	FEBRUARY 1997	2							
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		BUDGE	BUDGET ITEM JUSTIFICATION	FICATION			DATE	
			(EXHIBIT P-40)	()			FEBHUARY 1997	1997
APPROPRIATIC PAAF/MUNITION	APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT	IVITY D EQUIPMENT			P-1 ITEM NOMENCLATURE SIGNAL MK-4 MOD 3	ATURE		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY (In Thousands)	0	0	969	269	561	563	568	695
COST (In Millions)	\$0	\$0	\$1.122	\$1.318	\$0.987	£1 014	£4 046	64.040

PURPOSES. THE SIGNAL CARTRIDGE HAS AN ALUMINUM CASE AND IS SIMILAR TO A 10 GAUGE SHOTGUN SHELL. IT CONTAINS AN EXPLOSIVE CHARGE OF SMOKELESS POWDER AND A COMMERCIAL SHOTGUN SHELL PRIMER. A PYROTECHNIC MARKER LOAD OF STABILIZED RED PHOSPHOROUS PROVIDES THE VISIBLE INDICATION FOR BOMB SCORING. 1. THE MK 4 MOD 3 SIGNAL CARTRIDGE IS USED WITH THE BDU-33, MK-106, AND BDU-48 PRACTICE BOMBS FOR OBSERVATION AND SCORING

2. THIS ITEM IS PROCURED BY THE SINGLE MANAGER FOR CONVENTIONAL AMMUNITION. COST IS BASED ON CONVENTIONAL AMMUNITION WORKING CAPITAL FUND (CAWCF) STANDARD PRICING.

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PAGE NO.

P-1 SHOPP LIST ITEM NO.

APPROPRIATION AND P-1 LINE ITEM PAAF	ITEM		SIGNAL	SIGNAL MK-4 MOD 3	_				DATE:	, And House			
ELEMENT OF COST	IDENI	FY96	QIY:	0	FY97	OIV:	0	FY98	STO.	596	FV00	Ž	407
	JOS OS	OIV OIV	UNIT COST	TOTAL	QIY	UNIT COST	TOTAL	QIY	ST	TOTAL	QIV	UNIT COST	TOTAL
HARDWARE MK4 MOD 3	∢							296000	\$1.59	8008	404500		
SUBTOTAL										\$948	2000		\$1,134
PRODUCTION SUPPORT PRODUCTION ENGINEERING QUALITY ASSURANCE													51,134
ACCEPTANCE TESTING INTERIM TRANSPORTATION INDIRECTAL BROOK PROPERTY										\$11	-		\$3
CAWCF GAIN/LOSS SURCHARGE								VI		\$34			″ ॐ
SUBTOTAL									******	\$54			770
TOTAL CAWCF								296000	\$1.68	\$1,002	606500	\$170	2
NAVY ENGINEERING SUPPORT										818		7/:16	91,19
TOTAL P-1 LINE ITEM							•			0315			\$120
										\$1,122			\$15.1\$
				P-1 ITEM NO.	Ö	PAGE NO.	0,1			EXHIBIT P-5			
				٥			56		۵	PAGE 1 OF 1			

	RIIDGET PROCIDEMENT HISTORY DI ANNING 10-6AN	DEAMENT HIS	TODY DI ANIA	IINIC (D.	EA)			A NATE	4	
	DON'S TOPOGO	ACIVICIAL INS			()			5 E	FEBRUARY 1997	266
B. APPROPRIATION/BUDGET ACTIVITY	ACTIVITY			C. P-1 ITE	C. P-1 ITEM NOMENCLATURE	LATURE				
PAAF/MUR	PAAF/MUNITIONS AND RELATED EQUIPMI	QUIPMENT				SIGNAL,	SIGNAL, MK 4 MOD 3			
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REG'D	IF YES, WHEN AVAIL
SIGNAL, MK 4 MOD 3	-									
FY 1995 @	KILGORE	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	APR 95	OCT 95	701500	1.67#			
FY 1998	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 98	MAR 99	296000	1.68#	YES	O _N	
FY 1999	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 99	MAR 00	996500	1.72#	YES	ON	

D. REMARKS © KILGORE IS LOCATED IN TOONE, TN.

* CAWCF PRICE DOES NOT INCLUDE ENGINEERING SUPPORT COSTS PROVIDED TO US NAVY FOR TECHNICAL DATA PACKAGE MAINTENANCE AND PRODUCTION ENGINEERING SUPPORT.

Exhibit P-5A	
PAGE NO.	5/
P-1 SHOPP LIST	6

	V.	V.	P-1 II EM NOMENCLATURE:	SLATURE:	SIGNAL	SIGNAL, MK 4 MOD 3		DATE: F	FEBRUARY 1997	767		
PROCUREMENT	о ш	PROC ACCPT BAL		FISCAL YEAR 97	197		FISCAL YEAR 98			FISCAL VEADOS		-
YEAR	Œ >	OTY PRIOR DUE	96 96 an	CALE	CALENDAR YEAR 97	3 97	CA	CALENDAR VEAR OR		CALLINGS		< r
	. !	100	1-Oct OCT NOV DEC JAN F	EB MARAPR	MAY JUN JUL	AUG SEP OCT NO	V DEC JAN FEB MARAPH	MAY JUN JUL AUGISE	P OCT NOV DE	1-0-0 OCT NOV DEC JAN FEB MARIAPH MAY JUN JUL, AUG SEP OCT NOV DEC JAN FEB MARIAPH MAY JUN, AUG SEP OCT NOV DEC JAN FEB MARIAPH MAY JUN JUL, AUG SEP OCT NOV DEC JAN FEB MARIAPH MAY JUN JUN, AUG SEP OCT NOV DEC JAN FEB MARIAPH MAY JUN JUN, AUG SEP OCT NOV DEC JAN FEB MARIAPH MAY JUN JUN, AUG SEP OCT NOV DEC JAN FEB MARIAPH MAY JUN JUN AUG SEP OCT NOV DEC JAN FEB MARIAPH MAY JUN AUG SEP OCT NOV DEC JAN FEB MARIAPH MA	EAH 99	ш с
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	+											
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			OCT NOV DEC JAN FEI	B MAR APR	- N	010				001 000 100 100 100	00 100	697
MANUFACTURER'S NAME AND LOCATION	PROD	PROD RATES REA-		PROC	OCUREMENT LEAD TIME	EAD TIME	PECIAAN ILEB IMAHAPHIA	APHIMAY JUN JUL JAUGISEP JOCT INOVIDEC JAN REMARKS: QUANTITIES IN THOUSANDS	PIOCTINOVIDEC S IN THOUSAN	PROCUREMENT LEAD TIME REMARKS: QUANTITIES IN THOUSANDS	UN JUL AUGISEP	
	MIN 1-8-5	-8-5 MAX CHO+	ŧ	ADMIN LEAD TIME		MANI KACATI IDINO	T					
UNKNOWN	N/A	N/A N/A		PR 1 OCT	15	TIME	1 OCT					
			INITIAL	9	9	12	8					
			REORDER	9	9	12	18					
					P-1 SHOP		PAGE			PAGE 1	OF 2 PAGE	w
					N N	6	SN CN					

	Č			T-I HEM NOMENCLAIUN	انن	SKSNAL, MK4 MOD 3		DATE: FEBI	FEBRUARY 1997		
ITEM/MFG PROCLIDEMENT	лш	PROC ACOPT	T BAL		FISCAL YEAR 00		FISCAL YEAR 01			FISCAL YEAR 02	
YEAR	Œ >	QTY PRIOR	<u> </u>	66 66	CALENDAR YEAR 00	AR 00	CALE	CALENDAR YEAR 01		CALENDAR YEAR 02	EAR 02
UNKNOWN FY98	- 9	596 56	596	1-Oct OCT NOV DEC JAN FEB MAR	EB MARAPRIMAY JUN JI	AUG SEP OCT NOV	APRIMAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MARAPH MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MARAPH MAY JUN JUL AUG SEP	MAY JUN JUL AUG SEP C	OCT NOV DEC JAN	FEB MARIAPR MAY J	IUN JUL AUG SE
UNKNOWN FY9	FY99 AF	269	0 697	7	100 100 100 100 100 100	76 001 00					
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	1		_								
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TOTAL		1,293 596	6 697	0 0 0	0 100 100 100 100 100 100	0 100 97 0 0	0 0 0	0 0 0	0	0	0
				OCT NOV DEC JAN FE	MAR APRIMAY.	ON TOO	6				
MANUFACTURERS NAME AND LOCATION	PROL	PROD RATES	REA-		PROCUREMENT LEAD TIME	LEAD TIME	PROCUREMENT LEAD TIME PROCUREMENT LEAD TIME PROMISE OUT PROMISE PROMISE PROCUREMENT PROCUREMENT PROMISE PROMISE PROMISE PROMISE PROMISE PROCUREMENT PROMISE P	REMARKS: QUANTITY IN THOUSANDS	CTINOVIDECIJAN IF	EB MARIAPRIMAY JU	IN JUL AUGISEP
	Z	MIN 1-8-5 MAX	CHO		ADMIN LEAD TIME	MANUFACTURING	TOTA! ACTED				
UNKNOWN	N/A N/A	NA N/A			PR 1 OCT AFT 1 OCT	TIME	1 OCT				
				INITIAL	9	12	18				
				REORDER	9	12	18				
					P-1 SH	P-1 SHOPPING LIST	PAGE			PAGE 2	OF 2 PAGES
					ITEM NO	6 ON	No. 1			EXHIBIT P-21	

		BUDGET ITEM JU	BUDGET ITEM JUSTIFICATION	CATION			DATE	
			(EXHIBIT P-40)				FEBRUARY 1997	1997
APPROPRIATION	APPROPRIATION/BUDGET ACTIVITY	VITY			P-1 ITEM NOMENCLATURE	LATURE		
PAAF/MUNITIC	PAAF/MUNITIONS AND RELATED EQUIPMENT	D EQUIPMENT			ITEMS LESS THAN \$2,000,000 (CARTRIDGES)	\$2,000,000 (CAR	(TRIDGES)	
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$6.280	\$4.273	\$4.097	\$7.125	\$6.939	\$7.074	\$7.243	\$7.290
DEMADIZE								

REMARKS 1. THIS CATEGORY CONSISTS OF MISCELLANEOUS CARTRIDGES USED FOR TRAINING AND WAR RESERVE MATERIEL.

2. THESE ITEMS ARE CODE A ITEMS (APPROVED FOR SERVICE USE).

3. SPECIFIC FY 98 AND FY 99 ITEMS ARE LISTED ON THE NEXT PAGE.

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PAGE NO.

P-1 SHOPP LIST ITEM NO. 10

ITEMS LESS THAN \$2,000,000 (CARTRIDGES)

FY 99

FY 98

NOMENCLATURE	DODIC	QTY	THOUSANDS\$	QTY	THOUSANDS\$
.22 CALL BALL CART	A093	200,000	26	300,000	39
.50 CALL BALL LINK	A555	97,800	186	89,600	174
.50 CALL BALL TRACER	A557	0	0	498,000	1,066
.45 CAL BALL	A483	90,000	18	150,000	30
9MM BALL	A363	7,546,000	1,132	11,952,000	1,793
BBU-36 IMPULSE CART	MG11	695,520	995	794,880	1,218
MATCH AMMO	Y Y	N/A	139	N/A	139
50 CAL RAUFUS	A606	51,360	423	53,040	448
BBU-35 IMPULSE CART	MY74	1,491,120	1,178	1,990,080	1,612
40MM PRACTICE CART	B519	0	0	249,300	909
TOTAL			\$4.097		\$7,125

PAGE NO. P-1 SHOPP LIST NO. 9

		BUDGE	BUDGET ITEM JUSTIFICATION	FICATION			DATE	
			(EXHIBIT P-40)	6			FEBRUARY 1997	IY 1997
APPROPRIAT PAAF/MUNIT	APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT	IVITY ED EQUIPMENT		P-1 ITEM NOMENCLATURE MK-82 INERT/BDU-50	CLATURE 1-50			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	12,930	12,750	30,672	36,906	20,452	20.535	20.718	25.345
COST (in Millions) \$8.194	\$8.194	\$6.276	\$22.218	\$27.265	\$15.298	\$15.720	\$16.229	\$20.321

REMARKS 1. THIS ITEM IS THE MK-82, 500 POUND, GENERAL PURPOSE BOMB, LESS THE EXPLOSIVE FILL (192 POUNDS) WHICH IS USED FOR TRAINING. IT IS FILLED WITH A COMBINATION OF CONCRETE, VERMICULITE AND SAND TO SIMULATE THE DROP TRAJECTORY OF AN EXPLOSIVES LOADED BOMB.

2. THIS ITEM IS PROCURED BY THE SINGLE MANAGER FOR CONVENTIONAL AMMUNITION. COST IS BASED ON CONVENTIONAL AMMUNITION WORKING CAPITAL FUND (CAWCF) STANDARD PRICING.

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P-1 SHOPP LIST ITEM NO. 11

PAGE NO.

PAAF	ITEM		NAVRO INIE	NEDT/DDI 50					DATE:				
ELEMENT OF COST	IDENT	FY96	GIY:	12930	FY97	SIV	12750	FVOR	20	PEBRUARY 1997	1997	Sec.	,00,00
	CODE	QIY	UNIT COST	TOTAL	∑IØ	ES	TOTAL	ZIO	155	TOTAL	Г	157	JOYOE
HARDWARE													
LOAD ASSEMBLE AND PACK (LAP)	∢	12930	\$52.59	\$680	12750	\$49.20	\$627	30672	\$54.46	\$1 671	36004	\$55 AD	63.069
BOMB BODY BDU-50		13322	\$395.28	Ö	13133	\$347.39	\$4,562	31595	\$575.87	\$18,195	38017	\$587.03	\$20,351
LUG SUSPENSION		0			0	\$7.18	8	64416	\$15.34	8868	77509	\$15.66	\$1214
PALLEI MHU-149/E		2198		\$492	0	\$230.48	\$0	0	\$216.96	\$0	0	\$216.96	80
SUBTOTAL				\$6,438			\$5,189			\$20,854			\$25,617
PRODUCTION SUPPORT						***			7- 1 -11-1				
QUALITY ASSURANCE				68			88			988			*
ACCEPTANCE TESTING				\$77			\$63			\$253			4910
INTERIM TRANSPORTATION				\$25			\$55			\$158			\$100
INDUSTRIAL STOCK SUPPORT				\$283			\$231			\$778			8057
CAWCF GAIN/LOSS SURCHARGE				\$1,220	•		\$610						
SUBTOTAL				\$1,614			\$967			\$1244	* *		\$1508
TOTAL CAWCF		12930	\$622.62	\$8,052	12750	\$482.77	\$6,156	30672	\$720.41	\$22,098	36906	\$735.45	\$27,145
NAVY ENGINEERING SUPPORT				\$142			\$120			\$120			\$120
IOIAL P-1 LINE ITEM		12930		\$8,194	12750		\$6.276	30672	•	\$22,218	36906		\$27,265
					***				***				
				<u> </u>		*****			**				
				P-1 ITEM NO.	O	PAGE	PAGE NO 3		Ψ.	EXHIBIT P-5			

UNC! ASSIFIED

	BUDGET PROCUREMENT	EMENT HIST	HISTORY PLANNING (P-5A)	NG (P-	(A)			A. DATE	2	
B. APPROPRIATION / BIIDGET ACTIVITY	TIVITY								FEBRUARY 1997	1997
PAAF/MUNIT	₹	DUIPMENT		C. P-1	C. P-1 ITEM NOMENCLATURE	CLATURE BAR-82 II	TURE			
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV	IF YES, WHEN
MK-82 INERT/BDU-50										AVAIL
FY 1997*	IMCO/MCAAP	SS/FP	ARMY/AMCCOM (AFMC/OO-ALC)	JAN 97	SEP 98	12750	482.77@			
FY 1998	IMCO/MCAAP	SS/FP	ARMY/AMCCOM (AFMC/OO-ALC)	JAN 98	SEP 99	30672	720.41@	YES	ON O	
FY 1999	IMCO/MCAAP	SS/FP	ARMY/AMCCOM (AFMC/OO-ALC)	JAN 99	SEP 00	36906	735.45@	YES	Q	

D. REMARKS

"INTERCONTINENTAL MANUFACTURING CO (IMCO) IS LOCATED IN GARLAND, TX. "MCALESTER ARMY AMMUNITION PLANT (MCAAP) IS LOCATED IN MCALESTER, OK.

WARD DATES ARE FOR LOAD, ASSEMBLE, AND PACK (LAP) (MCALESTER AAP).

PAGE NO.
2-1 SHOPP LIST TEM NO.

Exhibit P-5A

		FY98/99 BUDGET PRODUCTION SCHEDULE	JE .		-F	LEM	NOM	ENC	P-1 ITEM NOMENCLATURE: MK-82 INERT/BDU-50	:	₹	2 INE	RT/B	DU-50								<u> </u>	DATE		FEBRUARY 1997	ARY	1997								
TEM/MFG	лш	PROC	ACCPT	BAL		-	-	문	FISCAL	YEAR 97	79F							표	FISCAL YEAR 98	YEA	R 98							1	FISCAL YEAR 99	YEA	8				-
YEAR	œ :	ΔTΛ	PRIOR	BUE	83	86	8			CAL	CALENDAR YEAR 97	IR YE	AR 9	_						SA	CALENDAR YEAR 98	IR YE	AR 9	89					2	FN	AP.	CAI FNDAB VEAR 90	8		· -
	>		9		1-Oct OCT NOV DEC JAN FEB MAR	4OV D	ECUA	FE	BMAR		MAYJ	25 25	- Y	SEP	C	O VO	APRIMAY JUN JUL AUG SEP OCT NOVIDEC LAN	2	OCT TO THE PART OF	400	247	-		2			1	H	H				3	H	
MCO/MCAAP FY96 AF	6 AF	12.9	0				-					-				6.5 6.4	3.4						5	2	3	2	73	¥	9	¥	¥	N	N V	SEP	
MCO/MCAAP FY97	7 AF	12.8	0	12.8			0	ပ										_	_			+	+	7	4		+	+	+	1		T	+	+	
IMCOMICAAP FY98	8 AF	30.7	0	30.7													-	c			T	+	-	3			+	+	+	\downarrow			+	+	
MCOMCAAP FY99 AF	3 AF	36.9	0	36.9		-					+	-	-			+	1	-	-		I	+	+	+		T	+	+	+			+	+	5.1	1 25.6
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MANUFACTURER'S NAME AND LOCATION	PRO	PROD RATES		REA-	COLINOVIDECIDAN FEB IMAH	CAIDE	CIONE	N LEB	MAH	PROC	PROCUREMENT I FAD TIME	MEN	LAUG	DTIN	T T	OVIDE	CIJAN	EEB	APHIMAYJUM JUL IAUGISEPIOCTINOVIDECIJANIFEBIMARIAPRIMAYJUM JUL IAUGISEPIOCTINOVIDECIJANIFEBIMARIAPRIMAYJUNIJUL PROCUREMENT I EAD TIME	REM	APRIMAY JUN JUN AUGISEP OCTINOVIDECIJAN REMARKS: QUANTITIES IN THOUSANDS	1 N	ANT	TIES	E S	dvo	ECLA	N FEE	3 MAR	APR	MAY	UN	IL AUK	AUG SEP	
	Z	MIN 1-8-5 MAX		to HO					4	MINIE	ADMIN LEAD TIME	ų	M	MANIEACTIONS	MOL	-	TOTAL APPER		T	PAC	PACING COMPONENT IS BOMB BODY, MANUFACTURED BY	OME	ONE	NT IS	BOM	B BO	DY,	MANC	FAC	Z P	D BY				
MCAAP, OK	5.0 10.0	-	20.0						PR 1	8	OCT AFT 1 OCT	100		TIME			-	10CT		PRO	IN ENCON INEN IAL MANUFACTURING COMPANY (IMCO), WHICH IS THE SOLE PRODUCER OF MK-SERIES BOMB BODIES. ADMINISTRATIVE I FAD TIME IS	N O H	MK	SERI	NOF!	OMB OMB	BOD	CON	ADM	¥ SE	(O) ATJ	NHO FIR	HIS	E H	SOLE
					INTIAL					ø		4			8	-		24		BAS	BASED ON CONTRACT AWARD OF LOAD, ASSEMBLE AND PACK (LAP)	00 1	NTR	CTA	WAR	DOF	LOA	D. AS	SEM	3LE A	ND	ACK	3		,
IMCO GABLAND TX	1.0	5.0	15.0		REORDER	DER				9		4		2	20	-		24		800	COMPLETION DATES. MCAAP IS ABLE TO RUN AT A BATE LOWER THAN MSB	NO	DATE	S.MC	AAP Y	SAL	E S	O B	# H N	A B	VIEL	MCAA OWE	P F	Z	ď
(вомв вору)																				BY S FACI BASE BOTI SUPE	BY SCHEDULING ITS DIRECT LABOR MANPOWER THROUGHOUT THE ENTIRE FACILITY. THIS IS DONE SPECIFICALLY TO MAINTAIN A WARM INDUSTRIAL BASE FOR BOMB BODIES. BY STATE OF BOMB BODIES. BY STATE BOU-50 AND NAVY BDU-45 PROCUREMENTS CONTRIBUTE TO SUPPORTING THE MSR.	HH BON	MB BK 50 AN	S DIR SONE SDIE ID NA	SPE(CIFIC DU4	ALLY S PR	TO A	MAINT	AIN	A WA CON	HOUT IFIN II	THE FDUS	THA O	E _
											ď	1 SHC)PPIN	P-1 SHOPPING LIST	15		Α	PAGE	L											PAGE	ш	P		2 PAGES	ES
											Ē	TEN NO	e	,		-		•																	

	FY WEAR BUDGET PHODUCTION SCHEDULE	EDULE	+	4	P-1 ITEM NOMENCLATUR	EM	Ş	S	ATC.	Æ	ž	E: MK-82 INERT/BDU-50	NEH	180	S)								Ī	DATE:		EBF	JUAF	FEBRUARY 1997	197								
ITEM/MFG	N H	C ACCPT	PT BAL		-	-	-	世	FISCAL Y	K	EAR 00							-	품	FISCAL YEAR 01	YEA	R 01								F	FISCAL YEAR 02	YEA	H 02				
PHOCUREMENT	R oTY		PRIOR DUE		86	86	8	-	-	S	LEN	DAR	CALENDAR YEAR 00	8			-				S	CALENDAR YEAR 01	ARY	EAR	5						CA	END	AR Y	CALENDAR YEAR 02	8		- w
	>	-	1001	O	1-Oct OCT NOV DEC JAN FEB MARI	30 VC	S	N H	B	RAP	B MA	25	APR MAY JUN JUL	AUG	SEP	SCT	AUG SEP OCT NOV DEC		JAN FEE	3 MAR	APR	FEB MARIAPH MAY JUN	N	A SIL	9	9	CT	ALSS SEP OCT NOV DEC. AN MARKAN	, C	2	MAN	40	VAM	2	-	AIN CED	
MCO/MCAAP FY96	AF	12.9	12.9	0.0																								-		_						2	
MCO/MCAAP FY97 AF	_	12.8	12.8	0.0		-											-		-						-		-	-	-		_			r			_
MCO/MCAAP FY98 AF		30.7	5.1	25.6 5.1		5.1 5	5.1 5.	5.1 5.2	2	_									-	_						-	-		-	-	_				+	-	-
MCO/MCAAP FY99 AF		36.9	0	36.9	H	H					_				6.1	6.1	6.1	6.2 6.2	2 6.2	2						+	-	-	+	-						-	4-
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				ŏ	CT	VOE	N C	<u> </u>	3 MA	AP	Š	3	Ę	A Co	SEP	201	0	- C	7	MAR	APR	OCT NOV DEC JAN FEB MARY AND THE AUG SEP OCT NOV DEC JAN FEB MARAPHAY (III) AIC SEP OCT JAN FEB JAR AND THE AIC SEP OCT JAN FEB JAN FE	2		Ž	9	- I	70	4	2	9	004	7414	4		6	
MANUFACTURER'S NAME AND LOCATION	PROD PATES	ATES	REA.							PA	000	REM	ENT	LEAL	ROCUREMENT LEAD TIME	The state of					H	REMARKS: QUANTITIES IN THOUSANDS.	S: C	CAN	E	ES IN	E	Sno	ND	S	TOWN.		- C		3	dioc	
	MIN 1-8-5 MAX	-5 MA)	CHO	±						ADMIN LEAD TIME	LEAL	MITC	.,.	MAN	JEAC	MANUFACTURING	g	TOTAL	TOTAL AFTER	g	A F	PACING COMPONENT IS BOMB BODY, MANUFACTURED BY		PON	ENT	SB	OME	98 F	V. №	AANU	FAC		60.00	_	9	ļ	0
MCAAP, OK	5.0 10	10.0	0						a.	PR 1 OCT		AFT 1 OCT	5		TIME			=	100		PA	PRODUCER OF MK-SERIES BOMB BODIES. ADMINISTRATIVE LEAD TIME IS	ËR	JF M	K-SE	RIES	SBO	MB	S IOC	ES.	ADMI P	NIST	AT S	WHICH WAR	ADT	벌	S
AP PAIE)		_			INITIAL	1				9		4				8			22		S A	BASED ON CONTRACT AWARD OF LOAD, ASSEMBLE AND PACK (LAP) CONTRACT TO MCAAP DEI WERY SCHEDLIE BEEF ECTS MCAAP LAP	ON L	ENO	PAC	¥ c	AABD	PP	COAL	AS CEL	SEM	BLE /	ON ST	PACK	4	~ 0	
IMCO GARI AND TX	1.0 5.0	15.0	0.	Œ	REORDER	DER				9	_	4			(1)	8			24		S	COMPLETION DATES. MCAAP IS ABLE TO RUN AT A RATE LOWER THAN MSR	TIO	DA	TES.	MCA	AP	SAB	LET	O P	NA	AR	ATE I	OWE	E E	ANN	ISH
(BOMB BODY)																					BAS BOT SUP	BY SCHEDULING ITS DIRECT LABOR MANPOWER THROUGHOUT THE ENTIRE FACILITY. THIS IS DONE SPECIFICALLY TO MAINTAIN A WARM INDUSTRIAL BASE FOR BOMB BODIES. BOTH AF BDU-50 AND NAVY BDU-45 PROCUREMENTS CONTRIBUTE TO SUPPORTING THE MSR.	TING TING	MB IS IS	BOD SAND	NES NES NAV NAV	CT L PEC Y BC	ABO IFICA	ALLY ALLY 5 PR(TO A	WER	THR	A W	HOU KAM I	NDC E	TO TEN	쁜
												P-1	SHO	PPIN	P-1 SHOPPING LIST	ST		٩	PAGE													PAGE		8	OF 2	2 PA	PAGES
												E	TEM NO		,		_	9	*	4																	

		BUDGE	BUDGET ITEM JUSTIF	USTIFICATION			DATE	
			(EXHIBIT P-40)				FEBRUARY 1997	1997
APPROPRIATIC	APPROPRIATION/BUDGET ACTIVITY	VITY		P-1	P-1 ITEM NOMENCI ATURE	URF		
PAAF/MUNITIO	PAAF/MUNITIONS AND RELATED EQUIPMENT	D EQUIPMENT		GBC	GBU-28 HARD TARGET PENETRATOR	PENETRATOR		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
, 111111								
QUANTILY	0	161	0	152	0	0	0	o
COST (In Millions)	\$0	\$18.417	0\$	\$17.391	\$0	\$0	0\$	0#
REMARKS								2

НЕМАНКS THE GBU-28A/B IS 5000-LB CLASS LASER GUIDED BOMB USED TO DEFEAT DEEPLY BURIED AND HARDENED TARGETS. IT CONSISTS OF THE BLU-113/B OR A/B WARHEAD, THE WGU-36A/B LASER GUIDANCE UNIT, THE BSG-92/B AIRFOIL GROUP AND THE FMU-143F/B, G/B OR H/B FUZE.

UNCLASSIFIED

77

PAGE NO.

P-1 SHOPP LIST ITEM NO. 13

DEMI FY96 STY: 0 FY97 STY	AFTROFRIGION AND P-1 LINE ILEM PAAF		GBU-28	HARD TA	REET PE	GBU-28 HARD TARGET PENETRATOR			DATE	FEBRUARY 1997	266		
CODE GITY UNIT COST TOTAL GITY GITS SEASON STADE	EMENT OF COST	IDENT	QIY:	0	FY97	QTY:	161	FY98	QTY:	0	FY99	QIY:	152
## SECTION A 161 SS-371.33 SS-66 161 SS-371.33 SS-66 161 SS-371.33 SS-66 161 SS-371.30 S1,000 152 SS-644.88 161 SS-37.600 151 S1,000 152 SS-671.70 161 SS-37.600 S1,000 152 SS-657.800 171 S1,794.00 S1,000 S1,000 172 S1,794.00 S1,000 S1,000 173 S1,762.1 S1,762.1 174 S1,762.1 S1,762.1 175 S1,762.1 S1,762.1 176 S2,041.7 S1,762.1 177 S1,762.1 S1,762.1 178 S1,762.1 S1,762.1 179 S1,762.1 S1,762.1 170 S1,762.1 S1,762.1 S1,762.1 170 S1,762.1		CODE	UNITCOS		M	UNIT COST	TOTAL	AIV.	UNIT COST	TOTAL	YIO	UNIT COST	TOTAL
### Second Common Commo	ADWARE GBU-28A/B	<											
161 546,7100 \$7,434	AD ASSEMBLE AND PACK (LAP)				161	\$5,371.33	\$865				152		\$85
161 857/40/00 51/40/9 162 85/10/30/00 162 85/10/30/00 161 824/84/60 161 824/84/60 161 824/84/60 161 824/84/60 161 824/84/60 162 824/84/60 162 824/84/60 162 824/84/60 162 824/84/60 162 824/84/60 162 82/84	GU-36A/B GUIDANCE/CONTROL UNIT				161	\$46,171.00	\$7,434				152		\$7.37
\$ \$3.250	G-92/B AIRFOIL GROUP				161	\$8,749.00	\$1,409				152		\$1,39
FILZE PORT	U-113A/B WARHEAD				191	\$43,845,00	\$7,060				152	\$46,074.60	\$7,00
S17,521 S243 S11NG S411 S411 S411 S411 S411 S411 S18,417 S18,417 S18,417 S18,417 S18,417 S18,417 S18,417 S18,417	10-133/F, G, H/B FUZE				177	\$2,552.00	\$342				152	\$2,681.77	\$40 \$34
STING	SUBTOTAL						\$17,521						\$17,39
SIING \$168 \$411 \$411 \$50 \$435 \$435 \$436 \$18417 FE EXHBITP5	ODUCTION SUPPORT												
\$10.6 \$1.08 \$1.08 \$1.08 \$1.09	CURRING												
\$168 \$435 \$435 \$485 \$485 \$18.417 \$18.417 \$1.1 TEM NO. PAGE NO. A. S. BEXHIBIT P.S.	FIRST ARTICLE TESTING						\$243						
\$500 \$435 \$465 \$18417	EAS/TEAMS						\$168						
\$500 \$435 \$485 \$485 \$18417 P-1 ITEM NO. PAGE NO. FXMBIT P-5	SUBTOTAL						28						
\$50 \$435 \$485 \$18.417 \$18.417	ON-RECURRING												
ALP-1 LINE ALP-1 LINE S18.417 S18.417 PAGE NO. PAGE NO. PAGE NO. A. A. S.	ECHINICAL DATA						\$50						
LINE \$18.417 P-1 ITEM NO. PAGE NO. F. 18.417	SOO						\$435						
P-1 ITEM NO. PAGE NO.	SUBTOTAL						\$485						
PAGE NO.	TOTAL P-1 LINE						\$18.417						\$17.30
PAGE NO.													
PAGE NO.													
PAGENO.													
				P-1 ITEN	Ö.	PAGEN	ex 0 7			EXHIBIT P-5			

			ONC ASSIRIED	3						
08	BUDGET PROCUREME	MENT HIS	NT HISTORY PLANNING (P-5A)	NING (P.	5A)			A. DATE FEBR	ATE FEBRUARY 1997	997
B. APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS	I/BUDGET ACTIVITY PAAF/MUNITIONS AND BEI ATED EQUIPM	IDAACAIT		C. P-1 III	C. P-1 ITEM NOMENCLATURE	LATURE				
INF ITEM	COMPACION CONTRACTOR	JI MEIN			80	U-28 HARD T	GBU-28 HARD TARGET PENETRATOR	RATOR		
FISCAL YEAR	LOCATION	METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV PED'D	IF YES, WHEN
WGU-36A/B GUIDANCE AND CONTROL UNIT										
FY 1992 @	TEXAS INSTRUMENTS	SS/FP	AFMC/OO-ALC	DEC 93	MAR 95	125	38348.00			
FY 1997	TEXAS INSTRUMENTS	SS/FP	AFMC/OO-ALC	AUG 97	JAN 98	191	46171.00	YES	Q.	
FY 1999	TEXAS INSTRUMENTS	SS/FP	AFMC/00-ALC	JAN 99	% NOC	152	48518.89	YES	9	
BSG-92 AIRFOIL GROUP FY 1992 @	TEXAS INSTRUMENTS	38/FP	AFMC/OO-ALC	DEC 93	MADOR	ş	20,170,1			
FV 1997	TEXAS INSTRUMENTS	SS/FP	AFMC/OO-ALC	AUG 97	JAN 98	3 3	8740 00	Š	9	
FY 1999	TEXAS INSTRUMENTS	SS/FP	AFMC/OO-ALC	JAN 99	% NOC	152	0103.90	Z Z	2 2	
BLU-113A/B WARHEAD FY 1992 #	NATIONAL FORGE/MCAAP	С/FР	AFMC/ASC	SEP 93	APR 94	80	36416.00	2	2	
FV 1997	UNKNOWN	C/FP	AFMC/OO-ALC	AUG 97	MAR 99	161	43845.00	YES	Ç	
FY 1999	UNKNOWN	C/FP	AFMC/OO-ALC	JAN 99	AUG 00	152	46074.60	XES .	2 2	
FMU-143F,G,&H/B FUZE FY 1992 ^&	DAYRON	SS/FP	ARMY/AMCCOM	FEB 93	JAN 94	145	2010.00			
FY 1997	DAYRON	SS/FP	(AFMC/ASC) ARMY/AMCCOM (AFMC/OO-ALC)	MAR 97	SEP 97	771	1934.08	YES	9	
FY 1999	DAYRON	SS/FP	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 99	SEP 00	167	2041.53	YES	O _N	

D. REMARKS

② TEXAS INSTRUMENTS IS LOCATED IN DALLAS, TEXAS

③ TEXAS INSTRUMENTS IS LOCATED IN DALLAS, TEXAS

\$ NATIONAL FORCE . LOCATED IN IRVINE, PA., PRODUCES THE BOMB BODY. LOAD, ASSEMBLY, AND PACK (LAP) IS DONE BY MCALESTER AAP, LOCATED IN MCALESTER, OK.

A DAYRON IS LOCATED IN ORLANDO, FL.

A DAYRON IS LOCATED IN ORLANDO, FL.

B. PRICE OF FMU-143 IS BASED ON CAWCF WALK-IN PRICING PROVIDED BY THE SINGLE MANAGER FOR CONVENTIONAL AMMUNITION(SMCA).

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B. PRICE OF FMU-143 IS BASED ON CAWCF WALK-IN PRICING PROVIDED BY THE SINGLE MANAGER FOR CONVENTION (SMCA).

B. PRICE OF FMU-143 IS BASED ON CAWCF WALK-IN PRICING PROVIDED BY THE SINGLE MANAGER FOR CONVENTION (SMCA).

B. PRICE OF FMU-143 IS BASED ON CAWCF WALK-IN PRICING PROVIDED BY THE SINGLE MANAGER FOR CONVENTION (SMCA).

UNCLASSIFIED

Exhibit P-5A

FISCAL YEAR 98 CALENDAR 98	FY98/99 BUDGET PRODUCTION SCHEDULE	PRODUCT	10N SCH	EDULE		P-1 ITEN	P-1 ITEM NOMENCLATURE	LATURE:	GBU	28 HA	AT OF	GBU-28 HARD TARGET PENETRATOR	NETRAI	G G				DATE		FEBRUARY 1997	1997						i
No. Property Dec. 10 10 10 10 10 10 10 1	PROCLIBEN	5 1	SPR	NG ACCP1			Ī	SCAL YE	AR 97					FIS	CAL Y	EAR 8	98					FISC	AL YEAF	66			_ <
V 1-04 1-0	YEAR		R any		DUE			Ö	LEND	IR YEA	R 97					CALE	NDAR	YEAR	86			J	CALEND	AR YE	P 99		⊢ u
FY 99 AF			>	,		1 OCT NOV	DEC JAN FE	B MARIAP	RIMAY	UN JUE	AUGS	EP OCT N	OV DEC.	IAN FEE	3 MAR	APR M.	AY JUN	Jun	UG SEP	OCT NOV	DEC JAI		AAR APR	MAY JUN	ากร	AUG SEP	
FY 99 AF 152 0 152 20 20	WGU-36A/B																										_
FY 99 AF 161 0 161		FY 97									ပ					20		8	21								_
FY 97 AF		7								+											0			~		8	20 72
FY 99 AF 161 0 161 C 20 20 FY 99 AF 162 0 152 C C C C C C C C C	SG-92									-				+			-										-
FY 99 AF 152 0 152		FY 97									O				1	8		8	21								
FY 99 AF 152 0 161 FY 99 AF 152 0 152 FY 99 AF 152 0 152 FY 99 AF 177 0 177 FY 99 AF 167 0 167 FY 99 AF 19 5 9 FY 19 5 9		FY 99	_																		O			72	1	8	82
FY 97 AF 161 0 161 C C C C C C C C C				-					1	+				+			-		-				-				
FY 99 AF 152 0 152	LU-113		_	+				+	#	+	1	+	#	+	1		+	1	4		\pm		-	+		+	-
FY99 AF 177 0 177 C 167 C 177	NKNOWN	FY 97	4					+		+	ပ	+		+	1		+						I	8		8	20 21
FY97 AF 177 0 177 C C 177 C 17	NKNOWN	FY 99	4							\dashv							-				0						152
FY97 AF 167 0 167 C 177	MIJ-143									-							-							+			_
FY99 AF 167 0 167	AYRON	FY97						O				1		-			-									-	\vdash
FFS ATTON HIN 1-8-5 MAX CHO+ HIN UNK UNK UNK UNK UNK HEAD TIME HEAD TIME HIN 1-8-5 MAX CHO+ HIN UNK UNK HEAD TIME HEAD TIME HIN UNK HEAD TIME HEAD TIME HANUFACTURING TOTAL AFTER 1 OCT HINE HEAD TIME 1 OCT	AYRON	FY99 /															_				0					=	167
EFFS PROD RATES REA- PROCUNEMENT LEAD TIME MIN 1-8-5 MAX CH 0+ ADMIN LEAD TIME MANUFACTURING TOTAL AFTER 1 OCT AFT 1 O																											
PROD RATES REA. PROCUREMENT LEAD TIME			4	_		OCT NOV	DEC JAN FE	BMARIAP	H WAY	UN TO	AUGS	EP OCT N	OV DEC.	AN FEE	3 MAR	APR M.	AYLUN	JUL	UG SEP	OCTINOV	DEC JA	N FEB A	AAR APR	MAYJUN	707	AUG SE	
MENTS. UNK	AME AND LOCA		PROD F	3ATES	REA.			H.	OCUR	EMEN	LEAD	TIME				REMA	HKS:	STELLE	JENTS								
MENTS, UNK UNK UNK UNK UNK WGU-36A/B; BSG-92 4 5 9 UNK UNK WGU-36A/B; BSG-92 4 19 23 BLU-113 4 19 23 FMU-143 6 6 12 PAGE 7 12				8-5 MAX				ADMI	NLEAD1	JME	MANU	FACTURING		TALAFTE	g	BLU-	113 DE	LIVERII	ES BASE	ED ON LO	AD, ASS	EMBLE,	AND PA	CK (LAP	SCHE	DULE.	
UNIX UNIX UNIX UNIX WGU-38A/B; BSG-92 4 5 9 A 19 23 PAGE 1 OF A FMU-143 6 6 6 FXHIBIT P-21	TEXAS INSTRUM			NA				PR10		T1 OCT		TIME		1 OCT		VALID	ATION	OF PR	OCURE	MENT ST	ATEGY	3-AC, AL.	-01e	13 OEL	150	2	
BLU-113	DAYRON, DRLANDO, FL	1	JNK UNK			WGU-36A	/B; BSG-92			4		5		6													
6 6 12 PAGE 1 OF EXHIBIT P.21 EXHIBIT P.21						BLU-113				4		19		83													
PAGE			-	_		FMU-143			_	9		9	_	12	01								PAG		OF	2 PA	PAGES
CHARLE									_	2-1 SHK)PPIN(3 LIST		PAGE	C								EX	IBIT P-	2		

PHOCUNEMENT S PROC ACOPT BAL FISCAL	YEAR 00 CALENDAR YEA	SEP OCT NOV DEC JAN FEB	FISCAL YEAR 01	10001
AR AP ATY PRIOR DUE 1-0ct 1-0ct B FY 97 AF 161 161 0 FY 99 AF 152 80 72 FY 99 AF 161 161 0 FY 97 AF 161 161 0 FY 99 AF 152 80 72 FY 99 AF 152 80 72	APR MAY JUN JUL	SEP OCT NOV DEC JAN FEB		FISCAL YEAH 02
FY 97 AF 161 161 0 FY 99 AF 152 80 72 FY 97 AF 161 161 0 FY 99 AF 152 80 72 FY 99 AF 161 140 21 FY 97 AF 161 140 21	APR MAY JUN JUL	FEB	CALENDAR YEAR 01	CALENDAR YEAR 02
FY 97 AF 161 161 0 20 20 20 FY 99 AF 152 80 72 20 20 20 FY 99 AF 161 161 0 20 20 EY 99 AF 152 80 72 20 20 EY 99 AF 161 140 21 21 EY 99 AF 152 0 152			MARIAPH MAY JUN JUL AUG SEP OCT NOV DEC	JAN FEB
FY 97 AF 161 161 0 20 20 20 EY 99 AF 152 80 72 20 20 20 EY 97 AF 161 161 0 EY 97 AF 161 140 21 21 EY 97 AF 161 140 21 21 EY 99 AF 152 0 152				
FY 99 AF 152 80 72 20 20 20 EV 97 AF 161 161 0				
FY 97 AF 161 161 0 20 20 20 FY 99 AF 152 80 72 20 20 20 FY 97 AF 161 140 21 21 FY 99 AF 152 0 152				
FY 99 AF 161 161 0 20 20 EV 99 AF 152 80 72 20 20 20 EV 97 AF 161 140 21 21 EV 99 AF 152 0 152				
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		20 20 20 20 20 20	12	
FMU-143				
DAYRON FY97 AF 177 177 0				
DAYRON FY99 AF 167 167 0				
OCT NOV DEC JAN FEB MARA	EB MARAPH MAYJUN JUL A	UGISEP OCT NOV DEC JAN FEB IN	PRIMATULIN JUL ANG SEP OCT NOVIDEC JAN FEB MARIAPRIMAY JUN JUL, AUG SEP OCT NOVIDEC JAN FEB MARIAPRIMAY JUN JUL	DEC JAN FEB MARAPP MAY LIN A SEP
MANUFACTURER'S NAME AND LOCATION PROD BATES REA-	PROCUREMENT LEAD TIME	EAD TIME	REMARKS:	
MIN 1-8-5 MAX CH 0+	ADMIN LEAD TIME	MANUFACTURING TOTAL AFTER		II: TEXAS INSTRUMENTS BLU-113 DELIVERIES BASED ON LOAD, ASSEMBLE, AND PACK (LAP) SCHEDULE.
MENTS, UNK UNK UNK	5			
DAYHON, OHLANDO, FL UNK UNK UNK WGU-36A/B; BSG-92	4	5		
BLU-113	4	19 23		
FMU-143	9	6 12		PAGE 2 OF 2 PAGES
	P-1 SHOPPING LIST	PING LIST PAGE		EXHIBIT P-21

		BUDGE	BUDGE! II EM JUSTIFICATION	-ICATION			DATE	
			(EXHIBIT P-40)				FEBRUARY 1997	Y 1997
APPROPRIATIC PAAF/MUNITIC	APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT	IVITY ED EQUIPMENT			P-1 ITEM NOMENCLATURE BOMB PRACTICE 25 POLIND	LATURE		
	7 4000	100771			101011	210010		
	1990	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Γ	0.000						-	_
GUANIIIY	399,840	200,000	397,760	698.400	546 380	544 087	402 443	200 740
Taca	4000	00000		20112	20000	100,440	435,443	002,718
COOL (in Millions) 45.934	\$5.934	\$2.908	\$5.613	\$10.057	SR 474	49 654	\$0,000	00000
ON THE PLANT					40.41	to:00	\$0.00¢	910.022

REMARKS

CENTER, A CONICAL AFTER BODY, AND A CRUCIFORM TYPE FIN IN THE AFT END OF THE BOMB BODY. A FIRING PIN, INERTIA TUBE, AND STRIKER PLATE ARE SEPARATE COMPONENTS OF THE BOMB. A RECEPTACLE IS LOCATED FORWARD OF THE CENTER OF GRAVITY TO INSTALL A SINGLE SUSPENSION LUG IF REQUIRED. A HOLE IS PROVIDED IN EACH SIDE OF THE BODY FOR HANGING THE BOMB IN SUU-20 OR SUU-21 DISPENSERS. THE BDU-33 PRACTICE BOMB IS USED TO PROVIDE THE COMBAT AIR FORCES WITH AIRCREW WEAPONS DELIVERY TRAINING. 1. THE BDU-33 IS A 25 POUND PRACTICE BOMB AND HAS A TEARDROP SHAPED METAL BODY WITH A TUBE CAVITY LENGTHWISE THROUGH THE

2. THIS ITEM IS PROCURED BY THE SINGLE MANAGER FOR CONVENTIONAL AMMUNITION. COST IS BASED ON CONVENTIONAL AMMUNITION WORKING CAPITAL FUND (CAWCF) STANDARD PRICING.

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PAGE NO.

P-1 SHOPP LIST ITEM NO.

CODE GIV. S99840 S11.56 GIV. S99840 S11.56 GIV. S99840 S11.56 GIV. S99740 GIV.	APPROPRIATION AND P-1 LINE ITEM PAAF	NE ITEM		BOMB PR	BOMB PRACTICE 25 POUND	Pound				DATE:	FEBRUARY 1997	/ 1007		
CODE GIT UNIT COST TOTAL GIT G	ELEMENT OF COST	IDENT	FY96	QIY:	399840	FY97		20000	FY98		397760	FY99	1	698400
A 399840 \$11.95 \$4.778 20000 \$12.34 \$2.448 397760 \$13.35 \$5.312 698400 \$11.95 \$4.778 \$2000 \$12.34 \$2.448 397760 \$13.35 \$5.312 698400 \$11.86 \$2.200 \$14.54 \$2		CODE	AIY.	UNITCOST	TOTAL	QTV		TOTAL	П	UNITCOST		Θľ	UNITCOST	TOTAL
\$4.778 \$5.312 \$5	HARDWARE BDU-33D/B	∢	399840		\$4,778	200000		\$2,468	397760		\$5,312	698400		\$9,519
\$55 \$513 \$577 \$513 \$513 \$513 \$513 \$513 \$513 \$513 \$513	SUBTOTAL				\$4,778			\$2,468			\$5,312			616,68
\$55 \$13 \$13 \$13 \$14.84	PODUCTION SUPPORT										Ī			
\$527 \$561 \$61 \$227 \$61 \$238 \$238 \$238 \$238 \$238 \$238 \$238 \$238	DUALITY ASSURANCE				22			83			\$13			\$24
\$200 \$873 \$873 \$1,156 \$1,166 \$2,908 \$14,10 \$14,10 \$14,10 \$14,11 \$5,613 \$990 \$301 \$901 \$901 \$901 \$901 \$901 \$901 \$901 \$9	NECEPTANCE IESTING NIERIM TRANSPORTATION				\$55			\$27			198			\$108
\$1,156	ADUSTRIAL STOCK SUPPORT				\$203			88			\$189			\$337
399840 \$14.84 \$5,934 200000 \$14.54 \$2,906 397760 \$14.11 \$55,613 698400	איני פאוואלרסט סמוגרוואוגפב				58/3			\$288						
399840 \$14.84 \$5,934 200000 \$14.64 \$22,908 397760 \$14.11] \$5,613 698400	SUBTOTAL				\$1,156	. 1		\$440			\$301			\$538
PAGE NO. 2	TOTAL P-1 LINE ITEM		399840		\$5,934	200000	\$14.54	\$2,908	397760	\$14.11	\$5,613	698400	\$14.40	\$10.057
PAGE NO. Z														
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					P-1 ITEM	Ŋ.	PAGE	Šr.			EXHIBIT P-5			

	BUDGET PROCUREMENT HISTORY PLANNING (P-5A)	REMENT HIS	TORY PLANNING	AING (P-	5A)	To a state of the latest and the lat		A. DATE FEBR	ATE February 1997	766
B. APPROPRIATION/BUDGET ACTIVITY PASF/MUNITIONS /	I/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT	EQUIPMENT		C. P-1 ITE	C. P-1 ITEM NOMENCLATURE	SLATURE BOMB PPAC	LATURE BOMB PPACTICE 25 POUND	<u> </u>		
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY 1996	DELFASCO*	C/FP (OPTION)	ARMY/AMCCOM (AFMC/OO-ALC)	FEB 96	APR 96	399840	14.84			
FY 1997	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 97	MAY 98	200000	14.54	YES	<u>Q</u>	
FY 1998	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 98	MAY 99	397760	14.11	YES	9	
FY 1999	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 99	MAY 00	698400	14.40	YES	O _Z	
										- 25 500 A.

D. REMARKS

• DELFASCO IS LOCATED IN GREENVILLE, TN.

Exhibit P-5A			
PAGE NO.	4		10
P-1 SHOPP LIST	ITEM NO.	:	14
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100		1-04	1-Oct OCT NOV DEC JAN FEB MAR	EB MAR APR	MAY JUN JUL	AUG SEP OCT NOV	APR MAY JUN JUL, AUG SEP OCT NOV DEC JAN FEB MARIAPR MAY JUN JUL, AUG SEP OCT NOV DEC JAN FEB MARIAPR MAY JUN JUL.	PR MAY JUN JUL	AUG SEP C	CT NOV DE	C JAN FEE	3 MARAPR	MAY JUN	JUL AUG	SEP
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PROD RATES		PEA-	OCT NOVIDEC JAN FEB MAR	B MARIAPRI	APRÍMAYÍJUN JUM, JAUGISEP JOC PROCUREMENT LEAD TIME	AUGISEP OCTINOV	APRÍMAYÍJUN ÍJUL ÁUGÍSER (OCTÍNOVÍDECÍJAN FEBÍMARARPÍJUN ÍJUL ÁUGÍSER ÍOCTÍNOVÍDECÍJAN FEBÍMARÍARRÍMAYÍJUN ÍJUL ÁUGÍSER PROCUREMENT LEAD TIME	APRIMAYJUN JUL TAUGISEP OCTINOVIDECIJA PEMARKS: QUANTITY IN THOUSANDS,	ANTITY IN	CT/NOV/DEC	CLAN FEB DS.	MARIAPR	MAY JUN	JUL AUG	SEP
	×	ÇH Q+		ADMINE	ADMIN LEAD TIME	MANUFACTURING	TOTAL AFTER	FY 96 BASED ON CONTRACT DELIVERY SCHEDULE.	N CONTR	ACT DELIV	ERY SCH	EDULE.			
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	+	4	INITIAL	9	9	14	20								
- 1	-	Œ	REORDER	9	9	14	8								
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ITEM/MFG	•			THE INTERNAL	THE MOMENCEALURE:	DOMD LINAC	DOME PHACINE 25 FOUND	Ö	DATE: FEBRUARY 1997	7	
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YEAR	œ >	OTV PR	PRIOR DUE	66 66 66		CALENDAR YEAR 00	900 E	CALENDAR YEAR 01	AR 01	CALENDAR YEAR 02	2
	+			Oct OCT NOV DEC	JAN FEB MARAPR	MAY JUN JUN.	AUG SEP OCT NOV (1-04 OCT NOV DEC JAN FEB MARIAPRIMAY JUN JUL, AUG SEP OCT NOV DEC JAN FEB MARIAPRIMAY JUN JUL, AUG SEP OCT NOV DEC JAN FEB MARIAPRIMAY JUN JUN AUG SEP	A AUG SEP OCT NOVIDEC	JAN FEB MARIAPRIMAY JUN JE	
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MANUFACTURER'S NAME AND LOCATION	PROD	PROD RATES	HEA.		PROX	PROCUREMENT LEAD TIME	EAD TIME	PROCUREMENT PROPERTY LEAD TIME PROCUREMENT LEAD TIME REMARKS: QUANTITY IN THOUSANDS.	NEMARKS: QUANTITY IN THOUSANDS.	JAN FEB MARIAPRIMAY JUN JU S.	AUG SEP
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DELFASCO GREENVILLE TN	8	8	300		PR 1 OCT	AFT 1 OCT	TIME	1 OCT			
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						P-1 SHOP	P-1 SHOPPING LIST	PAGE		PAGE 2 OF	2 PAGES
						ITEM NO.	4	NO.		EXHIBIT P-21	

CEXHIBIT P-40			a sono	BUDGEL LEM JUSTIF	DOSHIFICATION			DAIE	
UDGET ACTIVITY S AND RELATED EQUIPMENT 1996 FY 1997 FY 1999 FY 2000 O 1516 2539 6418				(EXHIBIT P-40				FEBRUARY 1997	Y 1997
1996 FY 1997 FY 1998 FY 2000 FY 2001 0 0 1516 2539 6418	APPROPRIATION PAAF/MUNIT	ON/BUDGET ACTI	IVITY TED EQUIPMENT			P-1 ITEM NOMENC	LATURE		
0 0 1516 2539 6418		FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
	QUANTITY	0	0	0	1516	2539	6418	8113	8613
\$24.401	COST (in Millions)	\$0	\$0	\$0	\$5.672	\$9.439	\$24.401	\$30 886	\$34.977

- 1. THE MK-84 IS A 2,000 POUND CLASS GENERAL PURPOSE BOMB. IT HAS A RELATIVELY THIN BOMB CASE THAT IS STREAMLINED TO REDUCE AERODYNAMIC DRAG. THE BOMB IS DESIGNED TO PRODUCE BLAST AND FRAGMENTATION EFFECTS AND CAN BE USED AS AN UNGUIDED HIGH OR LOW DRAG WEAPON. WHEN COMBINED WITH A GUIDANCE KIT, IT CAN BE EMPLOYED AS A PRECISION GUIDED BOMB. THE MK-84 CAN BE FUZED WITH PROXIMITY, INSTANTANEOUS OR DELAY FUZES TO PROVIDE A VARIETY OF MILITARY EFFECTS.
- 2. THE MK-84 IS PROCURED THROUGH THE SINGLE MANAGER FOR CONVENTIONAL AMMUNITION(SMCA). COST IS BASED ON WALK-IN ORDER PRICING PROVIDED BY THE SMCA.
- 3. THE FY 99 QUANTITY DIFFERS FROM THE P-1 DUE TO UPDATED PRICING.

UNCLASSIFIED

PAGE NO.

P-1 SHOPP LIST ITEM NO.

NI OF COST	APPROPRIATION AND P-1 LINE ITEM	_		1 0000	400					DATE				
253 D PACK (LAP) A D	LEMENT OF COST	IDENIT	EVOA	ZUUU LB HI	BOMB, N	K-84	- 1		9077		FEBRUAR	۲ 1997		
255 DPACK (LAP) DP		CODE	NO VIEW	UNIT COST		VIO.			77,0			444	OTY:	1516
DPACK (LAP) DPACK	ADDWADE MKAMEZTER					5	1000	200	ð	200	20	3		Z Z
2157, GRF (LB) 11544 11561 1178.04 1178.04 117	OAD ASSEMBLE AND PACK (LAP)	4										7.1.7.	7,001.	
215 7, GR F (LB) 2022 28 62 62 28 62 62 62 62 62 62 62 62 62 62 62 62 62	OMB BODY MK84-4											1561	1978.04	\$3.088
E CAWCF CAWCF CAWCF P-1 LINE ITEM P-2 CAWCF CAWGF P-1 ITEM NO. F-1 ITEM NO. EXHBIT P-5 F-1 ITEM NO. F-	JG SUSP MK3											3032	28.82	\$87
E E G G G G G G G G G G G G G G G G G G	LUM PWDIK, 1YP III CLS /, GRP (LB)											292134	68.	\$260
E E IGN STAND IN THE NEW PAGE NO. PAGE	SUBTOTAL													\$5,152
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CAWCF CAWCF CAWCF CAWCF CAWCF P-1 ILME ITEM P-1 ITEM NO, PAGE NO. EXHBIT P.5 T. D. EXHBIT P.5	UALITY ASSURANCE													\$18
CAWCF CAWCF CAWCF CAWCF P-1 LINE ITEM P-1 ITEM NO. PAGE NO. EXHIBITP-5	CCEPIANCE IESIING													\$81
CAWCF CAWCF CAWCF P-1 LINE ITEM P-1 LINE ITEM P-1 TIEM NO, PAGE NO. EXHIBIT P-5 T. CD. EXHIBIT P-5	DUSTRIAL STOCK SUPPORT													\$51
P-1 LINE ITEM P-1 LINE ITEM P-1 LINE ITEM P-1 ITEM NO, PAGE NO. EXHIBIT P-5	AWCF GAIN/LOSS SURCHARGE													200
P-1 LINE ITEM P-1 ITEM NO. PAGE NO. EXHIBIT P-5	SUBTOTAL													\$400
P-1 LINE ITEM P-1 ITEM NO, PAGE NO. EXHIBIT P-5 T-D	TOTAL CAWCF											1516		5.552
P-1 LINE ITEM P-1 ITEM NO. PAGE NO. EXHIBIT P-5														
P-1 ITEM NO, PAGE NO.	AVY ENGINEERING													\$120
PAGENO.	TOTAL P-1 LINE ITEM													5,672
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	BUDGET PROCUREMENT HISTORY PLANNING (P-5A)	SEMENT HIST	TORY PLANN	JING (P-	5A)			A. DATE		
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B. APPROPRIATION/BUDGET ACTIVITY	IVITY			C. P-1 ITE	C. P-1 ITEM NOMENCLATURE	LATURE				
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FISCAL YEAK	LOCATION	METHOD	B√	DATE	FIRST		COST	AVAIL	>30	WHEN
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		& TYPE			DELIVERY			NON	REO'D	AVA
2000 LB HE BOMB, MK-84										- ⊦
FY 1991	IMCO/MCAAP	SS/FP	ARMY/AMCCOM (AFMC/OO-ALC)	DEC 91	APR 95	3000	2073.81			
FY 1999	IMCO/MCAAP	SS/FP	ARMY/AMCCOM (AFMC/OO-ALC)	JAN 99	SEP 00	1516	361.29	YES	<u>Q</u>	
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D. REMARKS

AWARD DATE REFLECTS DATE OF LOAD, ASSEMBLE, AND PACK (LAP) CONTRACT AWARD. MCALESTER ARMY AMMUNITION PLANT (MCAAP), LOCATED IN MCALESTER, OK IS THE LAP FACILITY AND INTERCONTINENTAL MISS CO (IMCO), LOCATED IN GARLAND, TX PROVIDES THE BOMB BODY.

P-1 SHOPP LIST PAGE NO. TEN NO. TEN NO.
P-1 SHOPP LIST ITEM NO. 15
1 1

FY98/99 BUDGET PRODUCTION SCHEDULE	HON SCH	EDULE	+		P-1 ITEM NOMENCLATUR	EM	NO NO	S	ATC	빞	8	2000 LB HE BOMB, MK-84	H H	OME	¥.	\$								Õ	DATE			Z Z	FEBRUARY 1997	266										
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MANUFACTURER'S NAME AND LOCATION	PROD	PROD RATES		HEA.							PROCUREMENT LEAD TIME	JE W	Ę	EAC	TI	ш					er ≥	EMAF 60	HKS:	PC OF	E	REMARKS: QUANTITY IN THOUSANDS IMCO = INTERCONTINENTAL MANUFACT	HON	SAND	SCTU	PNG	REMARKS: QUANTITY IN THOUSANDS IMCO = INTERCONTINENTAL MANUFACTURING COMPANY.	YNY.								
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MANUFACTURER'S	PBO	PROD BATES		8	OCTINOVIDECLJAN FEBLIMARI	MDE	CIUAN	EB	MAR	APRIL	WAY!	APRIMAYIJUN JUL JAUGISEP IOC DDOCH IDEWENT I CAD TIME	A L	GISE	200	NON	DEC	NAN	EB P	ARA F	APRIMAYLUN JUL, JAUGISEP JOCTINO REMARKS: QUANTITY IN THOUSANDS	AYIJI aks:	N P	A A	IN TH	SUO.	ANDS	NOE	CUA	N N	APPI MAY JUNI JULI JAVGISEPI OCTINOVIDECIJAN IFEB IMARIJAPRIMAY JUNI JULI JAVGISEP IOCTINOVIDECIJAN IFEB IMARIJAPRIMAY JUNI JULI JAVGISEP. PEMARKS: QUANTITY IN THOUSANDS	APR	MAY	T NO	A.	UGISE	9.
	Z	1-8-5 MAX	×	Ę.					2	ADMIN LEAD TIME	EAD	ME N	3	NEA	MANUFACTURING	2	5	TOTAL AFTER	1 1		MCO ICAN	= INTE	ALES ULE F	NTINE	ARMY	AMA A	AUNIT	FAULT:	IMCO = INTERCONTINENTAL MANUFACTURNG COM MCAAP = MCALESTER ARMY AMMUNITION PLANT. P-21 SCHEDUJE REFLECTS LAP AWARD DATE AND	IMCO = INTERCONTINENTAL MANUFACTURNG COMPANY. MCAAP = MCALESTER ARMY AMMUNITION PLANT. P-21 SCHEDULE REFLECTS LAP AWARD DATE AND DELIVE	IMCO = INTERCONTNIENTAL MANUFACTURNG COMPANY. MCAAP = MACLESTER ARMY AMMUNITION PLANT. P-21 SCHEDULE RELECTS LAR AMMAND DATE AND DELIVERY START DATE FROM MCAAP	STAR	TOAT	FERO	N N	d.	
IMCO,	CNK	SK							PR	50	AFI	AFT 1 OCT	Τ.	F	TIME			1001	F	-	- 'N'	8-5, A	ND M	AX PE	HODE	CHIN	PATE	SAR	E BAS	ED OI	MIN, 1-8-5, AND MAX PRODUCTIN RATES ARE BASED ON TOTAL MK-SERIES BOMB PRODUCTION.	AL MK	SERIE	S BO	AB PR	opno	Ď.
MCAAP,	1.2	2.4	8.4	≤	INITIAL							4	\vdash	8					24																		
MCALESTER, UK																																					
											ο.	P-1 SHOPPING LIST	OPP	NG.	LIST			PAGE		,												PAGE		2	OF 2	2 P	PAGES
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		מבחפם	BUDGE! ILEM JUSTIF	USIIFICATION			DATE	1001
			(EAMIDII F-40)				ASE THEORIGINA	1881
APPROPRIATION/BUDGET ACTIVITY	3UDGET ACTI	VITY			P-1 ITEM NOMENCI ATI IBE	N ATI IRE		
PAAF/MUNITIONS AND RELATED EQUIPMENT	S AND RELAT	TED EQUIPMENT			MK-84 BOMB-FMPTY	TV		
F	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	EV 2001	EV 2002	EV 2002
							2002	5003
CHANTITY 2812	112	1 500	700	002.0	0000			
2,000	716	000,	934	3,590	2,690	2,701	2,725	3.335
COST (In Millions) \$6.913	913	\$3.510	\$2.482	\$8.821	\$6 488	\$6 666	\$6 883	\$0.640

THIS ITEM IS A MK-84 2000 POUND GENERAL PURPOSE BOMB THAT IS FILLED AT MCALESTER ARMY AMMUNITION PLANT WITH CONCRETE,
VERMICULITE AND SAND. THE FY98/99 FUNDING PROCURES THE BDU-56. THE FILLED BOMB, WITHOUT FUZE WELLS OR PLUMBING, IS USED
DURING TRAINING OR TEST WHEN A FULLY FUNCTIONAL BOMB IS NOT REQUIRED. THE BDU-56 SIMULATES THE DROP TRAJECTORY OF A LIVE
MK-84.

2. THE MK-84 IS PROCURED THROUGH THE SINGLE MANAGER FOR CONVENTIONAL AMMUNITION (SMCA). COST IS BASED ON CONVENTIONAL AMMUNITION WORKING CAPITAL FUND (CAWCF) STANDARD PRICING.

UNCLASSIFIED

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PAGE NO.

P-1 SHOPP LIST ITEM NO.

ELEMENT OF COST CODE HARDWARE BDU-56 (E756) LOAD ASSEMBLE AND PACK (LAP) BOMB BODY W/O PLUMBING LUG SUSP MK3		MK-84 B(BOMB-EMPTY					DATE:	VO A LIGORIA	1007		
(AP)	r FY96	QIY	2812	FY97	QIY:	1500	FY98	ST/O	994 FV9	FV00	SIQ.	3500
(AP)	E QTY	UNIT COST	T TOTAL	QIV	UNIT COST	TOTAL		ES	TOTAL	AIIV	UNIT COST	TOTAL
LUG SUSP MK3	8 8	2812 231.92		1500			994	250.36		3590	255.6	\$918
	Ń	2897 1621.0	8 \$4,696	1545	1644.99	\$2,542	1024	1876.31	\$1,921	3698	1915.61 28.82	\$7,084
SUBTOTAL			\$5,348			\$2,867			\$2,229			\$8,220
PRODUCTION SUPPORT QUALITY ASSURANCE			80			2			~			
ACCEPTANCE TESTING INTERIM TRANSPORTATION			\$68			\$33		·	\$20			\$21
INDUSTRIAL STOCK SUPPORT			\$22			\$29			\$17		•	\$61
CAWCF GAIN/LOSS SURCHARGE			\$1,076			\$336			3		-	0000
SUBTOTAL			\$1,425	•		\$523			\$133			\$481
TOTAL CAWCF	28	2812 2408.44	\$6,773	1500	\$2,259.70	\$3,390	994	\$2,374.01	\$2,362	3590	\$2,423.43	\$8,701
NAVY ENGINEERING SUPPORT			\$140			\$120			\$120			\$120
TOTAL P-1 LINE ITEM		i	\$ 6,913			\$ 3,510			\$ 2,482			\$ 8,821

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			L.G.	Ş	DAGE	9						
			91	<u> </u>	63	63		ш о	EXHIBIT P-5 PAGE 1 OF 1 PAGE	A GE		

8	BUDGET PROCUREMENT	<i>REMENT HIS</i>	HISTORY PLANNING (P-5A)	VING (P-	5A)			A. DATE		
								EB	EBRUARY 1997	266
B. APPROPRIATION/BUDGET ACTIVITY	VIIY			C. P-1 ITE	C. P-1 ITEM NOMENCLATURE	LATURE				
PAAF/MUNITIC	PAAF/MUNITIONS AND RELATED EQUIPMENT	QUIPMENT				MK-84 B	MK-84 BOMB-EMPTY			
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD A TYPE	CONTRACTED BY	AWARD	DATE OF FIRST	QUANTITY	UNIT	SPECS	SPEC IF YES, REV WHEN	IF YES, WHEN

MK-84 EMPTY BDU-56(E756)							-	-		
FY 1997	IMCO/MCAAP	SS/FP	ARMY/AMCCOM (AFMC/OO-ALC)	JAN 97	SEP 98	1500	2259.70			
FY 1998	IMCO/MCAAP	SS/FP	ARMY/AMCCOM (AFMC/OO-ALC)	JAN 98	SEP 99	994	2374.01	YES	Q Q	
FY 1999	IMCO/MCAAP	SS/FP	ARMY/AMCCOM (AFMC/OO-ALC)	3AN 99	SEP 00	3590	2423.43	YES	9	
					THE STATE OF THE S		10 to			
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D. REMARKS

AWARD DATE REFLECTS DATE OF LOAD, ASSEMBLE, AND PACK (LAP) CONTRACT AWARD. MCALESTER ARMY AMMUNITION PLANT (MCAAP), LOCATED IN MCALESTER, OK IS THE LAP FACIUTY AND INTERCONTINENTAL MFG CO (IMCO), LOCATED IN GARLAND, TX PROVIDES THE BOMB BODY.

UNIT COSTS DO NOT INCLUDE FUNDS PROVIDED TO US NAVY FOR ENGINEERING SUPPORT COSTS.

TEMAKED	-	TEMARE				LM	Carl.	T I EM NOMENCLAIUE	5	Z L	4	MK-84 BOMB-EMPTY	-FMP	_							à	DATE:		FEBRUARY 1997	RY 1	266								
PROCUREMENT	νш	PROC	AOCPT	BAL		-	-	FISCAL	SAL Y	YEAR 97	1						Ĕ	SCAL	FISCAL YEAR 98	3 98							1 3	FISCAL YEAR 99	YEAF	86				- 4
YEAR	c :	Δ	PRIOR	DUE	88	96	8		9	ALEN	CALENDAR YEAR 97	YEAR	97						CALI	CALENDAR YEAR 98	IR YE	AR 9	8			-		CAI	GNE	AR VE	CALENDAR YEAR 99	g		(- :
	>		100	1-0-	1-Oct OCT NOV DEC JAN FEB MAR	OVDE	CLIAN	FEB	MARA	PH	APP MAY JUN JUL	7	UGSE	AUG SEP OCT NOV DEC. IAN	NON	DEC. IA	AN	MAN	AN POA BAN	^*	2	3	010	14 TOO 023 OH	-	5								ш «с
BDU-56(E756)																				C	5	4	0	3	O AO	יבר יו	N N	MAH	APH	MAY	3	PEB MAHAPH MAY JUN JUL AUG SEP	SEP	
MCO/MCAAP FY93	AF	8.9	6.0	2.9		-			4.1	5:							-	-		+	+	+			+	+	+			+	+			
MCOMCAAP FY96	AF	2.8		2.8						1.4	4.1						-					-			+	+	+			+	+	1		
MCO/MCAAP FY97	AF	1.5	0	1.5			O			-								_			-	-	4		+	+	+			+	+	-		
MCO/MCAAP FY98	AF	1.0	0	1.0						-			-				0			\dagger	+	-	3		+	+	+			+	+	1	3	
MCO/MCAAP FY99	AF	3.6	0	3.6																\dagger	-	-			+	+	(+	+		0	0
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MANUFACTURER'S NAME AND LOCATION	PRO	PROD RATES		REA-					Ā	30CU	REME	NTL	PROCUREMENT LEAD TIME	IME					REMA	REMARKS: QUANTITY IN THOUSANDS	OUAN	N A	E T	SAND	S	200	1 1 1	TIVE!	2	100	100 N	INCE	SEP	
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IMCO, GABI AND TX	UNK	UNK UNK UNK							PR 1 OCT		AFT 1 OCT	5	TIME	Ē Ē	2	2 -	1 OCT	Ę	MCAA	MCAAP IS ABLE TO BUY AT A RATE LOWER THAN MSR BY SCHE MANDAMED AGAINST THE CHARGE MY OF STREET BY SCHE	BLE TO	RUN	ATAR.	ATELC	WER	THAN	MSR B	Y SCH	EDULI	NGITS	DIREC	MCARP. MANDYMED TO RUN AT THE LOWER THAN MSR BY SCHEDULING ITS DIRECT LABOR MANDYMED AGAINST THE ENTIRE MY CONTINUE TO SUBJECT LABOR	. K	
MCAAP, MCAI ESTER OK	1.2	2.4	8.		NITIA						4		8				24					2		Ē	36.06	C L	200		ż					
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PROCUREMENT		PROC AC	ACCPT BAL		-			FISCAL		EAR 00	8						ŀ	11	FISCAL YEAR 01	L YE	AR	=								FISC	FISCAL YEAR 02	/EAF	3 02				1
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BDU-56(E756)											0											_				_		_								_	-
IMCO/MCAAP FY93	AF	8.9	8.9	0						Н	H											_	_					_							-	_	-
MCO/MCAAP FY96	AF	2.8	2.8	0														-			-	-	<u> </u>		_	_		_									-
IMCO/MCAAP FY97	ΑF	1.5	1.5	0							_							-			-	_		_	_	_											-
MCOMCAAP FY98	AF	1.0	1.0	0							Н							-	-		-					_									-	-	-
IMCOMICAAP FY99	AF	3.6	0	3.6					\exists	\forall	\vdash			1.8	1.8	П		H	H	\vdash		\vdash	\square					Ц								Н	
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MANUFACTURER'S NAME AND LOCATION	PROD	PROD RATES	PEA-							PROCUREMENT LEAD TIME	E E	NEN I	LEA.	OT	¥					a i	REMARKS: QUANTITY IN THOUSANDS	KS: (S C AN	A L	XT.	VSNO	SON	301	NIVE OF	REMARKS: QUANTITY IN THOUSANDS	TOWN .		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		5	3015	
	Z	1-8-5 MAX		<u>+</u>					NOV.	ADMIN LEAD TIME	1 9	щ	NA NA	HEAC	MANUFACTURING	<u>c</u>	Tot.	TOTAL AFTER	<u> </u>	≥ ≥ d	IMCAP = MCALESTER ARMY AMMUNITION PLANT. MCAAP = MCALESTER ARMY AMMUNITION PLANT. P-21 SCHEDULE REFLECTS LAP AWARD DATE AND	* MC	ALES	TER / EFLE	STS L	AMMI	MARD	ONPL	ANT.	IMCO & INI ERLONI INENINAL MANUFACI DANIA COMPANY. MGAAP = MALESTER ARMA AMMUNION PLANT. P-21 SCHEDULE RELECTS LAP AMARD DATE AND DELIVERY START DATE FROM MCAAP.	ÆRY S	STAF	TDAT	EFBO	M MC	Š	
IMCO,		JNK UNK						1	PR 1 OCT		AFT 1 OCT	8		AFF	ш	2		100	į .	2 2	CAAP	IS AB	AGAII	ANT C	HEEN	RATI	ELOW	VER T	HANN	MCAAP IS ABLE TO BUN AT A RATE LOWER THAN WSR BY SCHEDULING ITS DIRECT LABOR MANPOWER AGAINST THE ENTRE MK-80 SERIES PRODUCTION	YSCH	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	NG II	IS DIR	ECTL	ABOR	
GAHLAND, IX MCAAP,	1.2		4.8	Z	INITIAL							4		8				24	4													į					
MCALESTER, OK				뿚	REORDER	EB						4		જ				24	4																		:
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		BUDGE	BUDGET ITEM JUS (EXHIBIT P	STIFICATION P-40)	z			DATE FEB	FEBRUARY 1997	
APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT	DGET ACTIVAND RELATE	QUIPMEN			P-1 ITEM N SENSOR F	P-1 ITEM NOMENCLATURE SENSOR FUZED WEAPON	JRE			
	PRIOR	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TO	TOTAL
CHANTITY	7077	27.2							COMPLEIE	PHOGRAM
TINKON TO		245	929	352	516	204	205	752	265	5000
COSI (\$M))	\$501.840	\$152.000	\$153.861	\$143,343	\$171.343	\$168,777	\$170.150	\$936.617	\$110.319	\$4 BOD 245
INITIAL SPARES (SM)	\$0	\$0	\$0	\$0	-	0\$	0\$	\$0.00	\$10.01	41,000.243
TOTAL (SM)	\$501.840	\$152.000	\$153.861	\$143.343	\$171.343	\$168 777	\$170.150	\$236 617	\$440.040	44 000 040
UNIT COST (SM)	\$0.496	\$0.280	\$0.277	\$0.407	_	\$0.335	\$0 330	\$0.017	\$110.31Z	\$1,000.243
REMARKS						2000	0000	\$0.00 0	40.410	\$0.00

DISPENSING THE SUBMUNITIONS. THE SUBMUNITIONS ARE PARACHUTE RETARDED AND ORIENTED NOSE DOWNWARD. AFTER THE PARACHUTE IS EJECTED, THE ROCKET MOTOR IS FIRED TO LAUNCH THE WARHEADS. THE WARHEADS ARE THEN RELEASED IN A HORIZONTAL TRAJECTORY AND ARE TARGET ACTIVATED THROUGH A SMALL INFRARED SENSOR CONTAINED IN THE WARHEAD, FIRING A SELF FORGING PROJECTILE INTO COMPRISED OF A TACTICAL MUNITION'S DISPENSER (TMD), CONTAINING 10 BLU-108 SUBMUNITIONS. EACH SUBMUNITION CONTAINS 4 WARHEADS, A PARACHUTE ASSEMBLY, ALTIMETER AND ROCKET MOTOR. THE TMD OPENS AFTER RELEASE FROM THE DELIVERY AIRCRAFT THE SENSOR FUZED WEAPON (CBU-97) IS A CLUSTER MUNITION DESIGNED FOR USE AGAINST LAND COMBAT VEHICLES. THE MUNITION IS THE TARGET. THIS MUNITION PROVIDES MULTIPLE KILL PER PASS CAPABILITY.

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SHOPP LIST ITEM

NO. 17

PAGE NO.

P-1

APPROPRIATION AND P-1 LINE ITEM PAAF	EM		SENSOR FU	SENSOR FUZED WEAPON	NO				DATE	FEBRUARY 1997	/60		
ELEMENT OF COST	IDENT	FY 96	QIY:	500	FY 97	QIY:	542	FY 98	QIY:	556	FY 99	OIY:	352
	CODE	OIY.	UNIT COST	TOTAL	QIY	UNITCOST	TOTAL	QIY	UNITCOST	TOTAL	QIY	UNIT COST	TOTAL
HARDWARE CBU-97/B GFE	4	99	\$294,000	\$147,000	542	\$254,000	\$137,668	929	\$253,000	\$140,668	352	3366,000	\$128,832
SUBTOTAL				\$148,807			\$139,568			\$142,804			\$130,215
PRODUCTION SUPPORT DATA TEST PROG MGT ADMIN REQUIREMENTS				\$72 \$727 \$2,475			\$75 \$1,928 \$3,254			\$77 \$905 \$3,500			\$55 \$1,416 \$3,541
ECO/ECP SUBTOTAL				\$3,162			\$2,800			\$3,996			\$1,957
NONRECURRING TOOLING				\$5,568			\$4,375			\$2,579			\$6,159
SUBTOTAL		****		\$5,568			\$4,375			\$2,579			\$6,159
AIRCRAFT FLIGHT CERTIFICATION ITEMS CBU-97/B (T-1) ECO		4	\$85,418	\$3,758 \$878									
SUBTOTAL		44		\$4,636									
TOTAL P-1 LINE ITEM		200		\$165,447	542		\$152,000	929	,	\$153,861	352		\$143,343
				P-1 ITEM NO.	Ö.	PAGE NO	Š. 20 80			EXHIBIT P-5 PAGE 1 OF 1			

	BUDGET PROCUREMENT HISTORY PLANNING (P-5A)	EMENT HIST	TORY PLANNING	NG (P.5	(A			A. DATE	in	
					?				FEBRUARY 1997	1661
B. APPROPRIATION/BUDGET ACTIVITY	VIIV			C. P-1 ITE	C. P-1 ITEM NOMENCLATURE	CLATURE				
PAAF/MUNITI	PAAF/MUNITIONS AND RELATED EQUIPMENT	DUIPMENT				SENSOR FL	SENSOR FUZED WEAPON	Z		
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REG'D	IF YES, WHEN AVAIL
SENSOR FUZED WEAPON	_									
FY 1997	TEXTRON @	SS/FPIF	AFMC/ASC	19 NAL	30 NDC	542	254,000.00#			
FY 1998	TEXTRON	SS/FPIF (OPTION)	AFMC/ASC	JAN 98	66 NNr	999	253,000.00#	YES	<u>N</u>	
FY 1999	TEXTRON	SS/FPIF	AFMC/ASC	JAN 99	00 NOC	362	366,000.004	YES	<u>N</u>	

D. REMARKS

® TEXTRON DEFENSE IS LOCATED IN WILMINGTON, MA. THE LRIP CONTRACTS ARE FPIF WHICH WILL ENCOURAGE LOWER COST AND AGGRESSIVE COST MONITORING.

♣ UNIT COSTS REFLECT COST OF CBU-97 HARDWARE ONLY. UNIT COST INCREASE IN FY 99 IS A RESULT OF INCORPORATING THE P3I PRODUCTION.

P-1 SHOPP LIST PAGE NO.	P-1 SHOPP LIST PAGE NO.
P-1 SHOPP LIST PAGE NO.	P-1 SHOPP LIST PAGE NO.
P-1 SHOPP LIST ITEM NO.17	P-1 SHOPP LIST ITEM NO.17

PROCUREMENT B YEAR			-			בייייייייייייייייייייייייייייייייייייי	THE MINOMENOLAL ONE	1	CEITICOLI OFFICE MEN OIL			-							DA IE	-1	PEDHUAHI 1887		8				Ì				ŀ
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		100	1-04	1-0d OCT NOV DEC JAN FEB MARA	/ DEC J	AN FEE	3 MAR		IPR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MARIAPH MAY JUN JUL AUG SEP OCT NOV DEC JAN	705	UGSE	DC 4	NOV	EC JAN	FEB	MARIA	AM Ho	V JCN	JUL	AUGS	EP	NO.	/ DEC	JAN	EB M	ARAP	H MAY	FEB MARIAPH MAY JUN JUL		AUGISEP	
TEXTRON FY95 AF	560	0	260	27 27	क्ष	34	8	8	36												_					_					
TEXTRON FY96 AF	200	0	200			\dashv			40	4	42 4	42 42	42	42 42	2 42	42	42 42	2													
TEXTRON FY97 AF	542	0	545			၁												4	4	4	4	44 46	3 46	46	46	46 46	6 46			_	
TEXTRON FY98 AF	256	0	556								_			ပ					1		1 .	1					1	8	25	52 52	354
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		BUDGE	BUDGET ITEM JUSTIFICATION	STIFICATIO	Z			DATE		
			EXHIBIT F	>-40)				FEB	FEBRUARY 1997	
APPROPRIATION/BUDGET ACTIVITY PAAEAMI INITIONS AND DELATED FOLIDADE	DGET ACTIV	ITY	Ŀ		P-1 ITEM N	P-1 ITEM NOMENCLATURE	JRE			
CALCULATION	AND DELAIL	D ECCIPMEN			JOINT DIR	JOINT DIRECT ATTACK MUNITION	MUNITION			
	PHIOH	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TO	TOTAL
	LEARIS								COMPLETE	PROGRAM
GUANIIIY	0	937	2673	2620	6325	10122	10617	10592	18111	82000
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I O I AL (\$M)	\$0	\$23.010	\$61.307	\$62.202	\$143.207	\$233.114	\$223 789	\$218.020	\$375 70B	\$1340 AA7
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REMARKS										

ADVANTAGE OF THE SANCTUARY OF WEATHER AND/OR PREVENT U.S. AIR POWER FROM PROSECUTING A CONFLICT ON ITS TERMS. THE JOINT FORCE AS EXECUTIVE SERVICE. JDAM WILL UPGRADE THE EXISTING INVENTORY OF GENERAL PURPOSE BOMBS (MK-84/BLU-109/B, AND MK-83) (GPS/INS). JDAM WILL PROVIDE AN ACCURATE (13 METERS), ADVERSE WEATHER CAPABILITY. JDAM WILL INITIALLY BE INTEGRATED WITH THE PRODUCTION BUY FOR JDAM IS 87,496 UNITS (62,000 FOR THE AIR FORCE AND 25,496 FOR THE NAVY). THERE IS NO REQUIREMENT FOR INITIAL CONDITIONS AND FROM MEDIUM/HIGH ALTITUDES. FAILURE TO SATISFY THIS REQUIREMENT WILL ALLOW THE ENEMY TO CONTINUE TO TAKE BY INTEGRATING THE BOMBS WITH A GUIDANCE KIT CONSISTING OF A GLOBAL POSITIONING SYSTEM AIDED INERTIAL NAVIGATION SYSTEM DIRECT ATTACK MUNITION (JDAM) PROGRAM IS A JOINT AIR FORCE AND NAVY PROGRAM TO CORRECT THESE SHORTFALLS, WITH THE AIR B-52, B-2, B-1B AND F/A-18C/D AIRCRAFT. FOLLOW-ON INTEGRATION WILL BE ON THE F-16, F-15E, F-22, AND OTHER AIRCRAFT. THE TOTAL OPERATION DESERT STORM CONFIRMED THE NEED FOR A MORE ACCURATE WEAPON DELIVERY CAPABILITY IN ADVERSE WEATHER SPARES BECAUSE THE PROGRAM HAS A 20 YEAR WARRANTY.

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NO. 20	

SHOPP LIST ITEM

PAAF EIEMENT OF COST DIDERT PLY 06 GITY OWIN COST TOTAL GITY					
CODE GIV. 0 FY 97 GIV. 99 CODE GIV. 101AL GIV. 0 NINT COST B. 101AL GIV. 101A	alva a	FEBRUARY 1997	1661		
A UNIT COST TOTAL GITY UNIT CO	GIY: 937 FY 98	GTY: 2673	FY 99	SIY:	2620
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8 838	\$3,167	\$2,822			\$2,935
637	\$1,118	\$2260			\$3,499
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825		\$306			
		\$23 \$61,307	2620	\$24	\$62,202
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	BUDGEI PROCUREMENT	_	HISTORY PLANNING (P-5A)	ING (P-5	(A)			A. DATE	ш	
								99	EBRUARY 1997	266
B. APPROPRIATION/BUDGET ACTIVITY	_			C. P-1 IIE	C. P-1 ITEM NOMENCLATURE	CLATURE				
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LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW"	SPEC REV REG'D	IF YES, WHEN

D. REMARKS

SPECIFICATIONS HAVE BEEN WAIVED DUE TO JDAM'S STATUS AS AN ACQUISTION REFORM PILOT PROGRAM.

WANT DONNIELL DOUGLAS IS LOCATED IN ST LOUIS, MO.

PY 97 CONTRACT IS AN OPTION TO THE FY 96 RESEARCH AND DEVELOPMENT (R&D) CONTRACT.

Exhibit P-5A	
PAGE NO.	1 4
P-1 SHOPP LIST	

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			(EXHIBIT P	-40)				FEB	FEBRUARY 1997	
APPROPRIATION/BUDGET ACTIVITY	IDGET ACTIV	ΙΤΥ			P-1 ITEM N	P-1 ITEM NOMENCLATURE	JRE			
PAAF/MUNITIONS AND RELATED EQUIPMENT	AND RELATE	EQUIPMEN	L,		WIND COR	RECTED MU	WIND CORRECTED MUNITIONS DISPENSER	ENSER		
	PRIOR	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TO	TOTAL
	YEARS								COMPLETE	PROGRAM
QUANTITY	0	0	280	622	3,555	6,805	8,320	8,082	12.179	40,000
COST (SM)	\$0	\$0	\$19.871	\$30.087	\$87.072	\$132.091	\$144.360	\$137.061	\$217.972	\$768.514
INITIAL SPARES (\$M)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0\$	\$0	\$0
TOTAL (SM)	\$0	\$0	\$19.871	\$30.087	\$87.072	\$132.091	\$144.360	\$137.061	\$217.972	\$768.514
UNIT COST (SM)	\$0	\$0	\$0.071	\$0.039	\$0.024	\$0.019	\$0.017	\$0.017	\$0.018	\$0.019
DEMANDICO										

REMARKS

1. THE WIND CORRECTED MUNITIONS DISPENSER (WCMD) GUIDANCE KIT WILL PROVIDE INERTIAL NAVIGATION TO CORRECT EFFECTS OF WIND TRANSIENTS AND BALLISTIC ERRORS CAUSED BY WIND WHEN TACTICAL MUNITIONS DISPENSERS ARE RELEASED FROM MEDIUM TO HIGH ALTITUDES. THE WCMD KIT FITTED WEAPONS WILL IMPROVE EFFECTIVENESS OF BOTH BOMBERS AND FIGHTERS AND SIGNIFICANTLY CONTRIBUTE TO AIR FORCE WAR FIGHTING CAPABILITIES IN TWO NEARLY SIMULTANEOUSLY MAJOR REGIONAL CONFLICTS (MRC)

2. PROGRAM IS CURRENTLY IN COMPETITIVE ENGINEERING AND MANUFACTURING DEVELOPMENT (PE 64600F). THE FIRST LOW RATE INITIAL PRODUCTION (LRIP 1) IS SCHEDULED IN FY98. COMBINED DEVELOPMENT TEST AND EVALUATION (DT&E) AND INITIAL OPERATIONAL TEST AND EVALUATION (IOT&E) IS SCHEDULED TO BE COMPLETED BY SEPTEMBER 1997; OPERATIONAL TEST AND EVALUATION (OT&E) AND SERVICE APPROVAL IS SCHEDULED FOR MARCH 1998.

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PAGE NO.

SHOPP LIST ITEM

NO. 21

APPROPRIATION AND P-1 LINE ITEM PAAF	EN.		WIND COR	RECTED M	SNOILINN	WIND CORRECTED MUNITIONS DISPENSER			DATE	FEBRUARY 1997	80		
ELEMENT OF COST	IDENT	٥	OTY: (0	FY 97	QTY: (0	FY 98	QIY:	280	FY 99	OTY:	779
	CODE	QIV	UNIT COST	TOTAL	GIY	UNIT COST	TOTAL	ΔIV	UNIT COST	TOTAL	MN	ST	TOTAL
HARDWARE WCMD VIE	c												
GFE GFE	o							280	\$43	\$12,040	779	\$29	\$22,591
SUBTOTAL										\$12,700			\$23,490
PRODUCTION SUPPORT									<u> </u>				
TEST										\$75			\$77
PROG MGT ADMIN REQUIREMENTS ECO							***			\$324			\$500
SUBTOTAL									- (Tiv 1 ₁)	\$2,670			\$3,183
NONRECURRING TOOLING							•						
PINOTAL										\$389			\$3,414
TVI ORD										\$389			\$3,414
AIRCRAFT FLIGHT CERTIFICATION ITEMS WCMD TEST KITS								128	\$30	\$4 PO			Ş
ECO							-		700	\$16		**	S &
SUBTOTAL										\$4,112			\$0
TOTAL P-1 LINE ITEM								280		\$19,871	779		\$30,087
					9	ONSONO	9						
				P-1 IIEM NO.	Ċ	LAGE	ارْزِ		ш	EXHIBIT P-5			

BUDGET PROCUREMEN	BUDGET PROCUREMENT		I HISTORY PLANNING (P-5A)	ING (P-5	¥.			A. DATE FEBRUARY 1997	ATE EBRUARY 1997	266
B. APPROPRIATION/BUDGET ACTIVITY	/IIV			C. P-1 III	C. P-1 ITEM NOMENCLATURE	CLATURE				
PAAF/MUNITIO	PAAF/MUNITIONS AND RELATED EQUIPMEN	UIPMENT			WIND	CORRECTED	WIND CORRECTED MUNITIONS DISPENSER	DISPENSI	E	
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT	CONTRACTED BY	AWARD DATE	DATE OF FIRST	QUANTITY	UNIT	SPECS	SPEC	IF YES, WHEN
		& TYPE			DELIVERY			NOW	REO'D	AVAIL

UNII COSIS REFLECI COSI OF HARDWARE ONLY.				
	P-1 SHOPP LIST	PAGE NO.	Exhibit P-5A	
	ITEM NO.21			

PHOCUREMENT		PROC ACC	ACCPT BAL			FISCAL YEA	YEAR 97		FISCAL	FISCAL YEAR 98		FISCAL	FISCAL VEAR 00		
YEAR	ות:	OTY PRIC	PRIOR DUE		96 96 96		CALENDAR YEAR 97	4R 97		CALENDAR YEAR 98		CAL	CALENDAB YEAR 99	8	< - I
	>		1-001	9	1-Oct OCT NOV DEC JAN FEB MAR		APR MAY JUN JUE	L AUG SEP OCT NO	V DEC. IAN EEB MA	ANG SEP OCT NOV DEC LAN SEP MARK AND COLOR OF THE PROPERTY OF	SEE OCT MOWNER	,			
UNKNOWN FY98	AF	280	0	280							SET CALL MOVIDEL	ON PEB MAH	APH MAY JUN	IN AUG SI	
UNKNOWN FY99	AF	770	7	27.0							N N	K	24 24 24	24 24	24 48
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TOTAL		1,059	0 1,059	59 0	0 0	0 0	0	0 0 0 0	0 0 0	0 0 0 0 0	0 0 0 22	22	24 24 24	24 24 2	24 827
				OCT	NOV DEC JAN F	EB MARIAPR	MAYJUN	AUG SEP OCT NOV	DEC. IAN	OCTINOVIDEC JAN FEB MARIAPR MAY JUN JUN ALIG SEP OCT NOVINEC JAN EER JAKE AED 1111 111 111 111 111 111 111 111					
MANUFACTURER'S NAME AND LOCATION	PROD	PROD RATES	REA.			PRO	PROCUREMENT LEAD TIME	LEAD TIME		REMARKS:	Er Joe (Novi Dec	JAN IFEB MAHIN	APHIMAYIJON JI	J. IAUGISE	
	N	1-8-5 MAX	용 당			ADMIN	ADMIN LEAD TIME	MANUFACTURING	TOTAL AFTER						
	¥ S	UNK	1	+		PR 10CT	AFT 1 OCT	TIME	1001						
		+	-	INITIAL	IAL		2	10	15						
				HE	REORDER		2	10	15					ı	
							P-1 SH	P-1 SHOPPING LIST	PAGE			a.	PAGE 1 O	OF 2 PA	PAGES
							CH MULL		41.						

F CTY Price 1000 100	TEMMFG		PROC	ACCPT B	BAL	FISCAL YEAR 00 FISCA			FISC	FISCAL Y	EAR 00	8							Ĕ	FISCAL YEAR 01	YEA	H 01				\neg				-	FISCAL YEAR 02	AL YE	EAR	05				
WNN FY98 AF 280 232 48 WNN FY99 AF 779 0 779	PROCUREMENT				E CE						CALE	NDA	A YE	AR O	٥						S	END	AR Y	'EAR	101				П		٥	ALE	NDA	IR YI	EAR	02		
WIN FY98 AF 280 232 48 WIN FY99 AF 779 0 779 WIN FY99 AF 779 0 779 T1059 232 827 T1059 232 827 WIN 1-8-5 MAX CHO+	TEAR	>		100	1-00	OCT	3V DEC	NAL	FEB	MAR	H H	1AY JI	2	Y	SEF	ОСТ	NOV	ECUA	FE	B MAF	APR	MAY	JUN,	1	AUG	SEP (CT	4OV	DEC	IAN	EB W	IARA	PR	IL YAN	- N	5	AUGS	SEP
MAN FY99 AF 779 0 779 ACTURER'S NAT CHO- MIN 1-8-5 MAX CHO- UNK UNK UNK		AF	280	232	48	24	4					+	-						-											\dashv	\dashv		\dashv					
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1,059 232 827 1,059 232 827 ACTURER'S PROD RATES REA- ND LOCATION MIN 1-8-5 MAX CH 0+ UNK UNK													\dashv		_					4																		
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PROD RATES REA- MIN 1-8-5 MAX CHO+ UNK UNK	TAL		1,059	232	827	24					2							0						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROD RATES REA-MIN 1-8-5 MAX CHO+UNK						OCT	OV DEC	NAC.	FEB	MAR	E 2	¥.		- AK	SE	25	NOV	EC	3	W.	APP PP	MAY	3	5	AUG.	dis.	100	NON THE	DEC.	2	2	A A A	8	YAY.	2	5	AUGSEP	ů
MIN 1-8-5 MAX CH 0+ ADMIN LEAD TIME MANUFACTURING TOTAL AFTER UNK INITIAL 5 10 15 REORIDER 5 10 15	ANUFACTURER'S	PROD	RATES		П						PRO	E E	MEN	TLE	ADT	ME																						
UNK PR 1 OCT AFT 1 OCT TIME 1 OCT INITIAL 5 10 15 REORDER 5 10 15		Z	1-8-5 N		ţ H G					P	MIN	TOY	및		NUFA	CTURI	9	TOT	LAFI	E																		
ER 5 10 15		SNE	2	¥						PR 1	8	AFI	8	_	Ē	¥		-	8																			
5 10 15						INTLA							2			9			15																			
						REOR	DER						2	_		9			5																			
P-1 SHOPPING LIST PAGE 2												a =	-1 St	PP C	NG S	LIST		- 2	PAGE	_ X	^											о. С	AGE	, L	2 2	ь.	2	PAGES

		BUDGET ITEM J	TEM JUSTIF	USTIFICATION			DATE	
			(EXHIBIT P-40)				FEBRUARY 1997	1997
APPROPRIATIC PAAF/MI INITIN	APPROPRIATION/BUDGET ACTIVITY PAAF/MI INITIONS AND BEI ATED E	PPROPRIATION/BUDGET ACTIVITY PAAE/MI INITIONS AND BEI ATED EQUIDMENT			P-1 ITEM NOMENCLATURE	ATURE		
	בייי בייי	LACE MEIN			EMS LESS HAN \$2,000,000 (BOMBS)	\$2,000,000 (BON	(BS)	
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions) \$2.917	\$2.917	\$0.050	\$0.167	\$0	\$1.476	\$1.517	\$1 553	\$0.04E
REMARKS							000.10	\$5.240

1. THIS CATEGORY CONSISTS OF INERT BOMBS, COMPONENTS AND VARIOUS OTHER ITEMS NECESSARY FOR PEACETIME OPERATIONS AND WAR RESERVE MATERIEL STOCKPILES.

2. THESE ITEMS ARE CODE A ITEMS (APPROVED FOR SERVICE USE).

3. SPECIFIC ITEMS ARE LISTED BELOW:

			FY 98		FY 99	
NOMENCLATURE	DODIC	ΔTΛ	THOUSANDS\$	ΔΤΥ	THOUSANDS\$	
GBU-15 Dummy Control Unit WCU-8(D-2)/B Dummy TV Seeker DSU-27(D-2)/B	EA33 FY95	4 ω	107	0 0	0 0	
	TOTAL		167		0	

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PAGE NO.

P-1 SHOPP LIST ITEM NO. 23

	BUDG	BUDGET	BUDGET ITEM JUSTIFICATION	CATION			DATE	
			(EXHIBIT P-40)				FEBRUARY 1997	1997
APPROPRIATION	APPROPRIATION/BUDGET ACTIVITY	/ITY		P-1 ITE	P-1 ITEM NOMENCLATURE	RE		
LAAL/MONITOR	PAAR/MOINTIONS AND RELATED EQUIPMENT	ECOLUMEN		ASIE	AS I E (INPHARED EXPENDABLE)	NDABLE)		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	0	0	21,402	34,787	34,133	33,235	31,812
(In Thousands)								
COST (In Millions)	0\$	0\$	\$0	\$2.987	\$4.968	\$4.975	\$4.982	\$4.989
02:04								

REMARKS

COUNTER-COUNTERMEASURES. WITHOUT THESE ADVANCED EXPENDABLES, AIRCRAFT HAVE INADEQUATE PROTECTION AGAINST THESE TYPE 1. THE ADVANCED STRATEGIC AND TACTICAL EXPENDABLES (ASTE) INTERFACE WITH THE ALE-4X SERIES DISPENSERS AND ARE USED TO PROTECT FIGHTER AND TRANSPORT AIRCRAFT (C-130, F-16, F-15) AGAINST THIRD/FOURTH GENERATION IR MISSILES THAT CONTAIN FLARE MISSILES AND, IN TIME OF CONFLICT, INCREASED AIRCRAFT LOSSES CAN BE EXPECTED.

AHEAD OF THE AIRCRAFT. THE MJU-48/B IS A COMPANION FLARE DESIGNED TO BE USED IN CONJUNCTION WITH THE MJU-47/B. THE MJU-XX2 2. FOUR CONFIGURATIONS OF ASTE ARE BEING PROCURED. THE MJU-47/B IS A KINEMATIC FLARE DESIGNED TO FLY ALONG WITH AND/OR AND MJU-XX1 ARE COVERT FLARES THAT CONTAIN SPECIAL MATERIALS SO THE EXPENDING AIRCRAFT IS NOT ILLUMINATED.

FOR NOV 97; INITIAL OPERATIONAL TEST AND EVALUATION (IOT&E) IS SCHEDULED FOR AUG 98; TECHNICAL DATA PACKAGE AND SERVICE USE 3. THE PROGRAM IS CURRENTLY IN RESEARCH AND DEVELOPMENT (PE 64270). DEVELOPMENT TEST AND EVALUATION (DT&E) IS SCHEDULED APPROVAL IS SCHEDULED FOR MAY 98.

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PAGE NO.

P-1 SHOPP LIST ITEM NO.

CF COST DEMT PY96 ASTE (MFRARED EXPRINABLE) PY99 ASTE (MFRARED EXPRINABLE)	APPROPRIATION AND P-1 LINE ITEM	INE ITEM								DATE:				
CODE GNY CONT C	PAAF			ASTE (INF	RARED EXP	ENDABLE)					FEBRUARY 1	1997		
1000 GIV UNITCOST TOTAL GIV UNITCOST GIV UNITCOST TOTAL GIV UNITCOST TOT	ELEMENT OF COST	DEN	FY96	GIY:	0	FY97	QIV:	0	FY98	GIY:	0	FY99	QIY:	10000
TAL IN SUPPORT IN		CODE	ΔIV	UNITCOST		QIV	UNITCOST	TOTAL	QIY	UNITCOST	TOTAL	ΩIY	UNITCOST	TOTAL
GTION SUPPORT AND AT A AND AT A AND AT A AND AND AND AND A PRICE REST AND AND AND AND AND AND AND AND AND AND	HARDWARE MJU-47/8	æ										10001		\$1,690
ANTA RICLE TEST BIOTAL AL MJU-47/8 D. ITEMANO D. D. ITEMANO D. D. ITEMANO D. D. ITEMANO D. D. ITEMANO D. D. ITEMANO D. D. ITEMANO D. D. ITEMANO D. D. ITEMANO D. D. ITEMANO D. D. ITEMANO D. ITEMANO D. D. ITEMANO	SUBTOTAL													\$1,690
RTICLE TEST BITCHAL ALMJU-47/0 PAGE MA DE STEMMO	PRODUCTION SUPPORT													
	ECOS ECOS EDET ADDOLE TEST													\$58
CAL MEDITOR	TAST AKTIOLE IEST													\$7
ON WHITE OF	SUBTOTAL													\$230
A CONTRACTOR OF THE PROPERTY O	TOTAL MJU-47/8													\$1,920
OA SOA														
ON BOAD														
					P-1 ITEN	INO.	PAGE	S. F.			EXHIBIT P-5			

APPROPRIATION AND P-1 LINE ITEM PAAF	EITEM		ASTE (INFR	ASTE (INFRARED EXPENDABLE)	ENDABLE)				DATE:	FEBRUARY 1997	7 1997		
ELEMENT OF COST	IDENT	FY96	GIY: (0	FY97	QIY: C	0	FY98	OIV:	0	FY99	GIY:	10000
	CODE	YIO	UNITCOST	TOTAL	ΟTV	UNITCOST	TOTAL	QIY	UNITCOST	TOTAL	AIN.	UNITCOST	TOTAL
HARDWARE MJU-48/B	æ										10000	\$79.00	8790
SUBTOTAL										,			8790
PRODUCTION SUPPORT													
TECH DATA ECOs													\$27 \$45
FIRST ARTICLE TEST													S3
SUBTOTAL													\$108
TOTAL MJU-48/8													868\$
				P-1 ITEM NG:	A NG.	PAGE	PAGE NO.			EXHIBIT P-5			

APPROPRIATION AND P-1 LINE ITEM PAAF	NE ITEM		ASTE (INFE	ASTE (INFRARED EXPENDABLE)	NDABLE				DATE:	FEBRUARY 1997	V 1997		
ELEMENT OF COST	IDENT	FY96	QTY:	0	FY97	QIY:	0	FY98	QIV:	0	FY99	OIY:	750
	CODE	ΝĎ	UNITCOST	TOTAL	VID.	UNITCOST	TOTAL	ΘI7	UNITCOST	TOTAL	VIO	UNITCOST	TOTAL
HARDWARE MJU-XX1	æ										750	\$76.00	\$57
SUBTOTAL													\$57
PRODUCTION SUPPORT													
ECOS FIRST ARTICLE TEST													83 83
SUBTOTAL									*****				88
TOTAL MJU-XX1													\$65
				P-1 ITEM NO.	NO.	PAGE	PAGE N.B. 7			EXHIBIT P-5			
							1						

APPROPRIATION AND P-1 LINE ITEM PAAF	ITEM		ASTE (INF	ASTE (INFRARED EXPENDABLE)	ENDABLE				DATE:	FEBRUARY 1997	. 1997		
ELEMENT OF COST	IDENI	FY96	QTY:	0	FY97	QIV:	0	FY98	OTY: (0	FY99	OIV:	652
	CODE	AIV	UNITCOST	TOTAL	ΑN	UNITCOST	TOTAL	ΘT	UNITCOST	TOTAL	П	UNITCOST	TOTAL
HARDWARE MJU-XX2	۵										652	\$141.00	892
SUBTOTAL													\$92
PRODUCTION SUPPORT TECH DATA													\$
ECOS FIRST ARTICLE TEST													\$ \$ \$ \$ 4
SUBTOTAL													\$12
TOTAL MJU-XX2													\$104
TOTAL P-1 LINE ITEM													\$2,987
									-				
									-				
												·	
				P-1 ITEM NO	100	PAGE	PAGE NO.O			EXHIBIT P-5			

BUDGET PROCUREMENT HISTORY P	BUDGET PROCUREME	REMENT HIS	NT HISTORY PLANNING(P-5A)	NING(P-5A)	5A)			FEBRUAR	FEBRUARY 1997	797
B. APPROPRIATION/BUDGET ACTIVITY	NVITY			C. P-1 ITE	C. P-1 ITEM NOMENCLATURE	CLATURE				
PAAF/MUNITIK	PAAF/MUNITIONS AND RELATED EQUIPMENT	QUIPMENT				ASTE(INFRA	ASTE(INFRARED EXPENDABLE)	BLE)		
LINE ITEM/	CONTRACTOR/	_	CONTRACTED	4	Δ	QUANTITY	UNIT		SPEC	IF YES,
FISCAL YEAR	LOCATION	METHOD	BY	DATE	FIRST		cost	AVAIL	AIL REV	WHEN
		& TYPE			DELIVERY			MON	DEO'D	AVAII

TRACOR* SS/FFP AFMC/ASC AFR 99 SEP 99 10000 169 00 NO YES	MJU-47/B	_	_	_	-						_
TRACOR* SS/FP AFMC/ASC APR 99 SEP 99 10000 79.00 NO YES ASC** SS/FP AFMC/ASC APR 99 SEP 99 750 75.00 NO YES ASC** SS/FP AFMC/ASC APR 99 SEP 99 652 141.00 NO YES	FV 1999	TRACOR*	SS/FFP	AFMC/ASC	APR 99	SEP 99	10000	169.00	<u>N</u>	YES	MAY 98
TPACOR* SS/FFP AFMC/ASC APR 99 SEP 99 10000 79.00 NO YES	MJU-48/B										
ASC." SS/FFP AFMC/ASC APR 99 SEP 99 750 76.00 NO YES ASC." SS/FFP AFMC/ASC APR 99 SEP 99 6.52 141.00 NO YES	FY 1999	TRACOR	SS/FFP	AFMC/ASC	APR 99	SEP 99	00001	79.00	N O	YES	MAY 98
ASC" SS/FFP AFMC/ASC APR 99 SEP 99 750 76.00 NO YES ASC" SS/FFP AFMC/ASC APR 99 SEP 99 652 141.00 NO YES	MJU-XX1										
ASC*** SS/FFP AFMC/ASC APR 99 SEP 99 652 141.00 NO YES	مر 6661 ہے	ASC	SS/FFP	AFMC/ASC	APR 99	SEP 99	750	76.00	N O	YES	MAY 98
ASC** SS/FFP AFMC/ASC APR 99 SEP 99 652 141.000 NO YES	MJU-XX2			• • • • • • • • • • • • • • • • • • • •							
	6661 الح	ASC.	SS/FFP	AFMC/ASC	APR 99	SEP 99	652	141.00	Q.	YES	MAY 98
					-			****			
		- socia VIII		···							

D. REMARKS • TRACOR AEROSPACE IS LOCATED IN CAMDEN, AK.

" ALLOY SURFACES CO (ASC) IS LOCATED IN WILMINGTON, DE.

UNIT COST IS HARDWARE COST ONLY.

	P-1 SHOPP LIST TIEM NO.25	2	PAGE NO. Exhibit
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FINAL MANUAL F. Companies F. C	FY98/99 BUDGET PRODUCTION SCHEDULE	NCTION	SCHEDUL	Įn	q.	I ITEM NOMENCLATURE:	ASTE (INFRA	ABED EXPENDA	W.E.	1				
1	ITEMAFG	S	PROC			FISCAL VEV	10.03			DAIE	BHUAHY 1997			ŀ
V 1-08 1-08 COT NOTICE JAN FIRE JAN FIR	PROCUREMENT	шс	TO YES	HOH DUE		96 96	YEAR 97		FISCAL YE	AR 98		FISCAL YEAR 99		- × F
9		>			100				CALCINOA			CALENDAR YEAR	86	_
9 AF 100 0 1	MJU-47/B						TOP NOT		DEC JAN FEB MARAP		OCT NOV DEC.	AN FEB MAR APP MAY	JUN JUL AUG SER	+
## 100 0 0 100 ## 0.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TRACOR FY 99	AF	10.0		10.0							0		
AF 100 0 100 0 100 0 0 0 0	MJU-48/B			+	+									
9 AF 0.0 0.0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1	AF	10.0		10.0							,		
9 AF 0.6 0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1										3		
9 AF 0.6 0.06 AF 0.7 0 0.7 AR 0.7 0 0.07 AR 0.7 0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	×	-	+	+	+									_
AF 0.7 0 0.7		AF	9.0		8.0							O		
AF 0.7 0 0.7	MJU-XX2													
C C C C C		AF	0.7		0.7								+	4
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		BUDGE	BUDGET ITEM JUSTIFICATION	FICATION			DATE	
TANGOODA			(EXHIBIT P-40)	0)			FEBRUARY 1997	Y 1997
PAAF/MUNIT	APPHOPHIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED E	PAAF/MUNITIONS AND RELATED EQUIPMENT			P-1 ITEM NOMENCLATURE FLARE IR MILL 78	CLATURE		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
OLIANTITY	043 300	900 070						
TOOS	400,000	033,040	662,280	862,680	912,280	964.002	1 017 626	1 104 056
COST (In Millions) \$ 21.859	\$ 21.859	\$20.018	\$14.698	\$19.541	\$91 663	400 400	030,110,1	1,124,330
REMARKS				110:0:4	WE1.003	\$23.432	\$25.314	\$28.631

1. THE MJU-7B IS AN INFRARED COUNTERMEASURES FLARE USED BY THE F-16 AND C-141 AIRCRAFT AGAINST HEAT SEEKING MISSILES. IT IS DISPENSED FROM THE AN/ALE-40(V). THE MJU-7B FLARE IS A PYROTECHNIC CANDLE THAT CREATES AN INFRARED SIGNATURE, ACTING AS A DECOY AGAINST HEAT SEEKING MISSILES. THE FLARE CANDLE IS EJECTED FROM THE DISPENSER BY A SMALL EXPLOSIVE CARTRIDGE (BBU-36) CONTAINED IN THE FLARE CASE.

2. THIS ITEM IS PROCURED BY THE SINGLE MANAGER FOR CONVENTIONAL AMMUNITION. COST IS BASED ON CONVENTIONAL AMMUNITION WORKING CAPITAL FUND (CAWCF) STANDARD PRICING.

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25

PAGE NO.

P-1 SHOPP LIST ITEM NO.

26

DEMT FY96 GIV: 043380 FY97 GIV: 6704 GIV: 6705 GIV:	APPROPRIATION AND P-1 LINE ITEM PAAF	NE ITEM		FLARE, IR MJU-7B	MJU-7B					DATE:	FEBRUARY 1997	7001		
A 943380 \$18.65 \$17,600 890640 \$18.89 \$16,594 662280 \$21.00 \$13,908 802680 \$21.44 \$17,600 \$21.60 \$13,908 \$18.50 \$17,600 \$21.60 \$13,908 \$18.50 \$10.50 \$18.50 \$18.50 \$18.50 \$18.50 \$18.50 \$18.50 \$18.50 \$18.50 \$10.50 \$18.50	ELEMENT OF COST	IDENI	FY96	QIY:	8	FY97	1 1	899640	FY98	1	562280	FY99	ı	962680
817,600 818.96 \$117,600 818.89 \$16,994 642280 \$21.00 \$13,908 821.44 \$13,908 821.4		COD	QIV	UNIT COST		QIV	UNITCOST	TOTAL	П		TOTAL	QIY		TOTAL
S25 S25 S25 S25 S25 S25 S25 S25 S25 S25	HARDWARE MJU-7B	<	943380		\$17,600	899640		\$16,994	662280	\$21.00	\$13,908	862680		\$18,496
\$256 \$155 \$185 \$185 \$185 \$185 \$185 \$185 \$185	SUBTOTAL				\$17,600			\$16,994			\$13,908			\$18,496
943380 \$23.17 \$21.869 899640 \$22.25 \$20.018 662280 \$22.19 \$14,698 862265 \$20.05 PAGE NO. 7	PRODUCTION SUPPORT QUALITY ASSURANCE ACCEPTANCE TESTING INTERIM TRANSPORTATION INDUSTRIAL STOCK SUPPORT CAWCF GAIN/LOSS SURCHARGE				\$25 \$202 \$67 \$748 \$3,217			\$23 \$185 \$161 \$671 \$1,984			\$35 \$159 \$101 \$495			\$46 \$208 \$134 \$657
943380 \$23.17 \$21.859 899640 \$22.25 \$20.018 662280 \$22.19 \$14,698 862265 \$22.65 \$20.018 PAGE NO. 322.65 \$22.05 \$22	SUBTOTAL				\$4,259			\$3,024			\$790			\$1,045
PAGE NO. 5	TOTAL P1 LINE ITEM		943380		\$21,859	899640	\$22.25	\$20,018	997599	\$22.19	\$14,698	862680	\$22.65	\$19,541
PAGE NO. 3														
PAGE NO 5 3														
					P-1 ITEM	Ö	PAGE	260		۵	CHIBIT P-5			

	BUDGET PROCUREMEN		HISTORY PLANNING(P-5A)	NING(P	5A)			A. DATE FEBR	ATE FEBRUARY 1997	166
B. APPROPRIATION/BUDGET ACTIVITY	CTIVITY			C. P-1 ITE	C. P-1 ITEM NOMENCLATURE	LATURE				
PAAF/MUNI	PAAF/MUNITIONS AND RELATED EQUIPMENT	QUIPMENT				FLARE	FLARE, IR MJU-7B			
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD	CONTRACTED BY	AWARD DATE	DATE OF FIRST	GUANTITY	UNIT	SPECS	SPEC REV	IF YES, WHEN

REMARKS

★ FY 96 CONTRACT DELAYED PENDING ENGINEERING DECISIONS ON USE OF ATOMIZED MAGNESIUM.
 A FY 97 CONTRACT AWARD DELAYED DUE TO VALIDATION OF PROCUREMENT STRATEGY AND RESTRICTED SPECIFIED BASE(RSB).
 & ALLIANT TECHSYSTEMS IS LOCATED IN TOONE, IN.

 @ MARTIN ELECTRONICS IS LOCATED IN PERRY, FL.

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Exhibit P-5A

PAGE NO.

P-1 SHOPP LIST ITEM NO. 26

FY98/20 BUDGET PRODUCTION SCHEDULE	SNOED-	CHEDULE	+	4	P-1 II EM NOMENCLATUR	Ž	JME	3	틸	E: FLAHE, IH MJU-78	¥	H	3	2								M	DATE:	H	FEBRUARY 1997	HY 1	26								
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ALLIANT FY96 AF	, AF	647	2	647 C		17	8	8	8	09	9 09	60 60	89	8	99	30					_														
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FYSENSO BUDGET PRODUCTION SCHEDULE	NOE	SCHEDU	Щ		P-1	EX	P-1 ITEM NOMENCLATURE: FLARE, IR MJU-78	Š	E E	انن	¥	Œ	3	اھ								PA	DATE:	FEB	FEBRUARY 1997	RY 15	266								
ITEM/MFG	wп	S PROC	ACCPT	BAL		-	-	FIS	FISCAL YEAR 00	EAR	8							FISC	FISCAL YEAR 01	EAR	10							FIS	FISCAL YEAR 02	YEAF	3 0Z				
PROCUREMENT YFAR	C		PRIOR DUE	and	8	8	8			CALE	NDA	CALENDAR YEAR 00	8				_		J	ALE	CALENDAR YEAR 01	YEA	R 01						CAL	END	CALENDAR YEAR 02	EAB	8		
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MANUFACTURER'S NAME AND LOCATION	PRO	PROD RATES	S	REA.						PROC	ÜHE	MEN	LEA	ROCUREMENT LEAD TIME	ш					3EMA	PKS:	3	INTI	IES I	IL	OUS	AND	S	1 24	NDF	7 97		VER.	SB	AS A
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ALLIANT TECHSYSTEMS	N/A N/A		N/A		INITIAL	پ				9		9		-	13			19																	
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		BUDGE	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	JUSTIFICATION IT P-40)			DATE FEBRUARY 1997	Y 1997
PAAF/MUNI	APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT	IVITY TED EQUIPMENT			P-1 ITEM NOMENCLATURE PARACHUTE FLARE, LUU-2B/B	VCLATURE ARE, LUU-2B/B		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
DANTITY	0	0	0	1472	1486	1492	1505	1842
COST (In Millions) \$0	\$0	\$0	\$0	\$.830	\$.780	\$.802	\$.828	\$1.037

REMARKS

- EMERGENCY NIGHT LANDINGS OR SEARCH AND RESCUE. FLARES MAY BE DELIVERED/LAUNCHED FROM HIGH SPEED AIRCRAFT BY USE OF SUU-1. THE LUU-2 B/B AIRCRAFT PARACHUTE FLARE IS AN AIRCRAFT LAUNCHED ILLUMINATING DEVICE. THESE FLARES ARE CLASSIFIED ACCORDING TO USE, ILLUMINATION, AND BURN TIME. FLARES FOR AIRCRAFT USE PROVIDE ILLUMINATION FOR RECONNAISSANCE, BOMBARDMENT, FROM AIRCRAFT UTILIZING STATIC LINE IGNITION. FLARES ARE ATTACHED TO AN 18 FOOT DIAMETER CRUCIFORM PARACHUTE, HAVE SETTINGS FROM 500 TO 11,000 FEET, AND FREE FALL PRIOR TO FUNCTIONING. THE FLARE CANDLE BURNS FOR APPROXIMATELY FIVE MINUTES AND 25 FLARE DISPENSER OR LAUNCHED FROM C-130 AFT LAU-74 CARGO DOOR LAUNCHER. FLARES CAN ALSO BE HAND LAUNCHED OR LAUNCHED PRODUCES TWO MILLION CANDLEPOWER.
- 2. THIS ITEM IS PROCURED BY THE SINGLE MANAGER FOR CONVENTIONAL AMMUNITION (SMCA). COST IS BASED ON CONVENTIONAL AMMUNITION WORKING CAPITAL FUND (CAWCF) STANDARD PRICING.

PAGE NO.	7 0	11
P-1 SHOPP	LIST ITEM NO.	27

UNCLASSIFIED
AMMUNITION COST ANALYSIS COLUMNISM

			ONCLASSIFIED	110						
	BUDGET PROCUREMENT HISTORY PLANNING(P-5A)	UREMENT HI	STORY PLAN	NING(P-	5A)			A. DATE	ATE FEBRUARY 1997	700
B. APPROPRIATION/BUDGET ACTIVITY PARE/MINITIONS	A/BUDGET ACTIVITY PAAF/MINITIONS AND DELATER FOURNISSES			C. P-1 ITE	C. P-1 ITEM NOMENCLATURE	LATURE		1		
LINE HEM	CONTRACTOR	ECOLPMEN				PARACHUTE FLARE, LUU-2B/B	FLARE, LUU-2	8/8		
FISCAL YEAR	LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV	IF YES, WHEN
PARACHUTE FLARE, LUU-28/8									NEW D	AVAIL
FY 1995@	THOKOL CORP	С/FР	ARMY/AMCCOM (AFMC/OO-ALC)	MAY 95	MAR 96	7484	533.86			
FY 1999	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 99	30F 00	1472	563.64	YES	9	
								7350		

D. REMARKS

@ THICKOL CORPORATION ORDNANCE OPERATION, UTAH DIVISION, IS LOCATED IN BRINGHAM, UT.

P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-5a
27	97	

ITEMAMFG PROCUREMENT YEAR				F-1 II EM	P-1 ITEM NOMENCLATURE	CLATURE	E: LUU-2						٥	DATE:	FEBRUARY 1997	RY 1997					
YEAR	E PROC	DC ACCPT	r BAL			FISCAL YEAR 97	AR 97			-	FISCAL YEAR 98	EAR 98					FISCAL	FISCAL YEAR 99			7 4
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ĺ	+	100		1-Oct OCT NOV DEC JAN FEB	DEC JAN F	MAR	NPR MAY JUN JUL		AUG SEP OCT NOVIDEC JAN	OV DEC JAN F	FEB MARAPH MAY JUN JUL AUG SEP OCT NOV DEC	IPR MAY	חר אחר	AUG	EP OCT N	OV DEC J	JAN FEB MARAPR MAY JUN JUL AUG SEP	APR MAY	אחר אחר	AUGSE	
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MANUFACTURER'S NAME AND LOCATION	PROD RATES	VTES	REA-			H	PROCUREMENT LEAD TIME	ENT LE	AD TIME			ZEMARK	S: QU/	VIIIIV	REMARKS: QUANTITY IN THOUSANDS.	ANDS.			100	2000	
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	\dashv			REORDER	-		9		16	2	22										
							P-1	SHOPP	P-1 SHOPPING LIST	PAGE	ш							PAGE	1 OF	2 PA	PAGE
								ITEM NO.	27	Š.	150	C						EXHIBIT P-21	P-21		

PROCUPEMENT E OTY YEAR V UNKNOWN FY99 AF 1.	PROC ACOPT BALL			1001					
FY99 AF		3AL	Ĭ.	FISCAL YEAR 00			FISCAL YEAR 01		FISCAL YEAR 02
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MANUFACTURER'S PROD RATES		REA.		PROCUF	PROCUREMENT LEAD TIME	UD TIME	REMARKS	REMARKS: QUANTITY IN THOUSANDS.	<i>t</i> ó
MIN 1-8-5 MAX		CH 0+		ADMIN LEAD TIME		MANUFACTURING	TOTAL AFTER		
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					P-1 SHOPPING LIST	NG LIST	PAGE		PAGE 2 OF 2 PAGES
					ITEM NO.	27	No.		EXHIBIT P-21

APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT FY 1996 FY 1997	VITY		こうとうこうのできょうようなの			DAIE	
APPROPRIATION/BUDGET ACTIV PAAF/MUNITIONS AND RELATE FY 1996	VITY	(EXHIBIT P-40)	()			SEPTEMBER 1996	3ER 1996
FY 1996	ED EQUIPMENT		P-1 ITEM NOMENCLATURE M.II10/R FI ARF	CLATURE			
	LV 4007	2000					
	/661 14	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
T							
QUANIII Y 110,280	214,584	190.824	199 440	104 533	104 025	406 750	007 270
TOO.	000000		24.60	134,000	134,325	195,750	247.182
CO3 (in Millions) 47.204	\$12.730	\$11.477	\$12.246	\$12.316	£19 630	£40 004	440 707
REMARKS				415:010	#12.000	412.301	10.701

1. THIS ITEM IS AN INFRARED COUNTERMEASURES FLARE USED BY THE F-15 AIRCRAFT AGAINST HEAT SEEKING MISSILES. IT IS DISPENSED FROM THE AN/ALE-45. THIS FLARE IS APPROXIMATELY TWICE THE SIZE OF THE MJU-7/B FLARE, WHICH IS USED ON F-16 AND C-141 AIRCRAFT.

2. THIS ITEM IS PROCURED BY THE SINGLE MANAGER FOR CONVENTIONAL AMMUNITION. COST IS BASED ON CONVENTIONAL AMMUNITION WORKING CAPITAL WORKING FUND (CAWCF) STANDARD PRICING.

UNCLASSIFIED

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PAGE NO.

P-1 SHOPP LIST ITEM NO.

APPROPRIATION AND P-1 LINE ITEM PAAF	E ITEM		MJU-10/B						DATE:	FERRUADY 1007	V 1007		
ELEMENT OF COST	DEN	FY96	OIY:	110280	FY97	OTY:	214584	FY98	SIY:	190824	FY99	SIN:	199440
	CODE	VIO	UNICOST	TOTAL	Ν	SI	TOTAL	П	1		AN.	15	TOTAL
HARDWARE MJU-10/B	∢	1 10280	\$52.59	\$5,800	214584	\$50.35	\$10,805	190824	\$56.92	\$10,862	199440	\$58.11	\$11,590
SUBTOTAL				\$5,800			\$10,805			\$10,862			\$11,590
PRODUCTION SUPPORT QUALITY ASSURANCE				88			\$16			\$27			\$29
ACCEPTANCE IESTING INTERIM TRANSPORTATION				\$22			\$118			\$125			\$133
INDUSTRIAL STOCK SUPPORT CAWCF GAIN/LOSS SURCHARGE				\$247			\$426			\$385			\$411
SUBTOTAL				\$1,404			\$1,925			\$615			\$656
TOTAL P1 LINE ITEM		110280	\$65.32	\$7,204	214584	\$59.32	\$12,730	190824	\$60.14	\$11,477	199440	\$61.40	\$12,246
				The state of the s									
				P-1 ITEM NO.	Ġ.	PAGE	PAGE NO. 3			EXHIBIT P-5			

								•	EBKUAKT 1997	166
B. APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS A	V/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMEN	CUIPMENT		C. P-1 ITE	C. P-1 ITEM NOMENCLATURE	LATURE	RE ABEL TO AB ELA DE			
The street of th				1		-OCIMI	U/D FLAKE			
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC PEC	IF YES, WHEN

FY 1994 A. TRACOR @ C/FP ARMY/AMCCOM (AFMC/OO-ALC) LAN 97 NOV 98 110280 64.17 NO FY 1996 A. TRACOR C/FP ARMY/AMCCOM (AFMC/OO-ALC) AUG 97 AUG 97 AUG 98 110280 65.22 YES NO FY 1998 UNIKNOWIN C/FP ARMY/AMCCOM AUG 97 AUG 99 190824 60.14 YES NO FY 1999 UNIKNOWIN C/FP ARMY/AMCCOM AMR 99 APR 99 190824 60.14 YES NO FY 1999 UNIKNOWIN C/FP ARMY/AMCCOM AMR 99 APR 90 199440 61.40 YES NO	MJU-10/B FLARE								-		
TRACOR C/FP (ARMC/OD-ALC) UNIKNOWN C/FP (ARM	FY 1994#∧	TRACOR @	С/FР	ARMY/AMCCOM (AFMC/OO-ALC)	JAN 97	SEP 97	31152	64.17			
UNKNOWN C/FP ARMY/AMCCOM AUG 97 AUG 98 214584 59.32 YES (AFMC/OO-ALC) UNKNOWN C/FP ARMY/AMCCOM MAR 98 APR 90 190824 60.14 YES (AFMC/OO-ALC) UNKNOWN C/FP ARMY/AMCCOM MAR 99 APR 90 199440 61.40 YES (AFMC/OO-ALC)	FY 1996 A	TRACOR	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	JAN 97	86 AON	110280	65.32			
UNKNOWN C/FP ARMY/AMCCOM MAR 98 APR 99 190824 60.14 YES UNKNOWN C/FP ARMY/AMCCOM MAR 99 APR 00 199440 61.40 YES	FY 1997 &	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	AUG 97	AUG 98	214584	59.32	YES	Q	
UNKNOWN C/FP ARWY/AMCCOM MAR 99 APR 00 199440 61.40 YES (AFMC/OO-ALC)	FY 1998	UNKNOWN	С/FP	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 98	APR 99	190824	60.14	YES	Q Z	-
	FY 1999	UNKNOWN	С/FP	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 99	APR 00	199440	61.40	YES	O _N	
								1 - yeldy glag			

D. REMARKS

@ TRACOR IS LOCATED IN CAMDEN, AR.

EVEN THOUGH FY 94 AND FY 96 FUNDING WILL BE AWARDED ON A CONSOUDATED CONTRACT, THE PRICING DIFFERS BECAUSE MIPRS ARE PROCESSED IN DIFFERENT FUND YEARS. FY 94 PRICING IS BASED ON FY 96 CAWCF PRICING.

A CONTRACT AWARD DELAYED DUE TO CHANGE IN PROCUREMENT STRATEGY.

& CONTRACT AWARD DELAYED PENDING VALIDATION OF PROCUREMENT STRATEGY AND RESTRICTED SPECIFIED BASE (RSB).

	Exhibit P-5A	
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TEMMEG	U	U		P-1 II EM NOMENCLATURE:	- 1	MJU-10B FLARE	ARE			DATE: FEBRU	FEBRUARY 1997				
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MANUFACTURER'S NAME AND LOCATION	PHOD RATES		REA.	PROCUREMENT FAD TIME PENARKS: OHANTITY IN TRIVINGATION CONTINUE OF THE PROPERTY OF THE PROP	PROC	PROCUREMENT! FAD TIME	FAD TIME	DECIJAN FEB MAR	REMARKS: OF	LIAUG SEPÍOCTI	NOV DEC JA	AN FEB MAR	APRIMAY JUN J	UL AUG SEP	
	MIN 1-8-5	MAX	\$ E		ADMINIEA	An Third			ON CONTRACT	ON CONTRACT DELIVERY SCHEDULE.	HEDULE.	8 1 5	AND FY 97 DEL	LIVERIES BA	SE
TRACOR CAMDEN, AR	N/A N/A	N/A			PR 1 OCT	AFT 1 OCT	TIME	1 OCT							
	-		=	INITIAL	9	9	13	19							
			Œ.	REORDER	9	9	13	19							
						P-1 SHOP ITEM NO.	P-1 SHOPPING LIST ITEM NO. 29	PAGE NO. (C)					PAGE 1 0	OF 2 PAGES	S

NT F OTV PRIOR OUE 99 99 99 PRIOR OUE 99 99 99 PRIOR OUE O	S SCHOOL INCOME SCHEDULE	0	FINALE	\neg	F-1 IIEM	P-1 II EM NOMENCLATUHE	ATURE	MJ0-1	MJU-10B FLARE	JE -			a	DATE: FI	FEBRUARY 1997	۲ 1997				
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1		+			OCT NOV	DEC JAN FI	MAR	PR MAY JL	N C	AG SEP OCT NO	OV DEC JAN FEB	MAR APR M	NY JUN JE	L AUG SE	P OCT NO	V DEC JAN	FEB MARAF	H MAY JUN	JUL AUG	SEP
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PROD RATES REA. PROCUREMENT LEAD TIME REMARKS: QUANTITY IN THOUSANDS. FY 94, FY 96, AND FY 97 DE					OCTINOVE	NA CH	1	2				0		5	5	0	0	0	0	0
MIN 1-8-5 MAX	FACTURER'S AND LOCATION	PROD F	ATES	REA-			1 1	TOCURE	WENT LE	AD TIME	VIVECIDAN IFEB II	REMA	PKS: OL	ANTITY	IN THOUS	SANDS. F	Y 94, FY 96	AND FY 9	JUL AUGIS	RES
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		BODGE	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	JUSTIFICATION			DATE	7 1007
CITAIGGOGGA	TOOLING!			7			חאטחפבי	/881
PAAF/MUNITI	PAAF/MUNITIONS AND RELATED F	PAAF/MUNITIONS AND RELATED EQUIPMENT			P-1 ITEM NOMENCLATURE	LATURE		
	77 4000		h		M-200 CARINIDGE FLARE	FLAHE		
	986	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
CHANTITY	000 700							
COMMITT	331,000	1,045,000	1.099.600	798 000	822 678	1001100	000 000	
COST ALMINIST &14 DEO	\$14 DEO	107070		200,000	022,010	024,034	828,/83	985,993
COOL (IN MIllions)	W11.230	18/731	1817.507	S12 968	\$10.751	G44 000	010 110	
REMARKS				2000	0.00	#11.023	911.342	\$13.180

1. THIS ITEM IS AN INFRARED COUNTERMEASURES FLARE USED BY THE A-10, C-130 AND AC-130 AIRCRAFT AGAINST HEAT SEEKING MISSILES.

2. THIS ITEM IS PROCURED BY THE SINGLE MANAGER FOR CONVENTIONAL AMMUNITION. COST IS BASED ON CONVENTIONAL AMMUNITION WORKING CAPITAL FUND (CAWCF) STANDARD PRICING.

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PAGE NO.

P-1 SHOPP LIST ITEM NO. 30

DEM	APPROPRIATION AND P-1 LINE ITEM PAAF	ITEM		M-206 CA	M-206 CARTRIDGE FLARE	ARE				DATE:	FEBRUARY 1997	166		
CODE GIV UMIT COST TOTAL GIV	ELEMENT OF COST	IDENT	FY96	ш	331000	FY97		045000	FY98	QIY:	1099600	FY99	QIY:	798000
NG S28.697 1045000 59:96 \$10.409 1099000 \$13.73 \$15.094 799000 \$14.05 \$1 \$5.594 799000 \$14.05 \$1 \$5.594 799000 \$14.05 \$1 \$5.594 799000 \$14.05 \$1.594 799000		S S S	ρIV	UNIT COST	TOTAL	ØIY	UNITCOST	TOTAL	QIV	UNIT COST	TOTAL	AIY	UNIT COST	TOTAL
### \$31000 \$324 \$10,004 \$15,00	HARDWARE M-206 FLARE	∢	331000		\$8,837	1045000	\$9.96	\$10,409	1099600	\$13.73	\$15,094	798000		161,118
## \$301000 \$2274 \$476 \$1553 \$1550 \$1	SUBTOTAL				\$8,837			\$10,409			\$15,094			191,118
Signary Signar	PRODUCTION SUPPORT PRODUCTION ENGINEERING DIAILTY ASSUBANCE				\$274			\$476			\$1,553			\$1,144
82.413 82	ACCEPTANCE TESTING MIEDINA TRANSPORTATION				\$102			\$114			\$38			\$28 \$129
\$2.413 \$2.382 \$12.701 \$1099600 \$15.92 \$17.507 798000 \$16.25	NDUSTRIAL STOCK SUPPORT				\$34 \$376			8410			\$109 \$538			\$81 \$395
331000 \$333.97 \$11,250 1045000 \$12.24 \$12,791 10996000 \$15,92 \$17,507 798000 \$16,25	SAWCF GAIN/LOSS SURCHARGE				\$1,615			\$1,268			08			08
331000 533.97 511,25G 1045000 512.24 512,791 1099600 515,92 517,507 798000 516,26	SUBTOTAL				\$2,413			\$2,382			\$2,413			\$1,777
PAGE NO.	TOTAL P-1 LINE ITEM		331000		\$11,250	1045000	\$12.24	\$12,791	1099600	\$15.92	\$17,507	798000		\$12,968
PAGE NO.														
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99					P-1 ITEN	NO.	PAGE	چې چې			EXHIBIT P-5			

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	BUDGET PROCUREMENT HISTORY PLANNING(P-5A)	REMENT HIS	TORY PLAN	VING(P-	(A)			A. DATE FEBR	ATE FEBRUARY 1997	7997
B. APPROPRIATION/BUDGET ACTIVITY	TIVITY			C. P-1 ITE	C. P-1 ITEM NOMENCLATURE	LATURE				
INIOM/JOY	TAST/MUNITONS AND RELAIED EQUIPM	COLPMENT				M-206 CA	M-206 CARTRIDGE FLARE	w		
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAII
M-206 CARTRIDGE FLARE										
FY 1996#	MARTIN ELECTRONICS	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	SEP 96	MAY 97	331000	33.97			
FY 1997A	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	AUG 97	SEP 98	1,045,000	12.24	YES	<u>Q</u>	
FY 1998	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 98	MAY 99	1,099,600	15.92	YES	Q.	
FY 1999	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/OO-ALC)	MAR 99	MAY 00	798,000	16.25	YES	O	

D. REMARKS

MARTIN ELECTRONICS IS LOCATED IN PERRY, FL. FY96 CONTRACT AWARD DELAYED DUE TO TECHNICAL DECISIONS ON USE OF ATOMIZED MAGNESIUM.
A FY 97 CONTRACT AWARD DELAYED PENDING VALIDATION OF PROCUREMENT STRATEGY AND RESTRICTED SPECIFIED BASE (RSB).

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Exhibit P-5A

The continue of the continue			THE POLICY INCOME IN THE PROPERTY IN	ų.		P-1 II EM NOMENCLATURE:	3	2	3	3	Į.		M206 CAH I HIDGE FLARE	Ę	3	니니	AH								٦	DATE	انن	FE	3HU	FEBRUARY 1997	1997									
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PROD RATES REA. PROCUREMENT LEAD TIME REMARKS: FY 96, FA							<u>ō</u>	SC C	Z	W 8	APA	¥	2	=	SIN	di S	į	20	S S	2	a 11	9	g	^*	2		2	0	Ę		į,	4	9	-	9	3	1			
N/A N/A	ANUFACTURER'S	PRO	RATE								PA	in So	REM	EN	LEA	ALL	Æ		100				REM	ARK	Si	₹ 96	5, F	8,	AN	PF	97 D	ELIV	ERIE	SBA	SED	ONO	NOC	TA A	1 GISE	
N/A N/A <td></td> <td>2</td> <td>1-8-5</td> <td></td> <td>\$ H5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>NIMO</td> <td>LEAD</td> <td>TIME</td> <td></td> <td>MAN</td> <td>UFAC</td> <td>JE J</td> <td>g</td> <td>101</td> <td>N X</td> <td>EB</td> <td></td> <td>PROPEL</td> <td></td> <td>S Z</td> <td>E F</td> <td>STR</td> <td>E. F</td> <td>.6 \- .6 \- .0 \-</td> <td>0 2</td> <td>MES</td> <td>TACT</td> <td></td> <td>YED</td> <td>PEN</td> <td>DINC</td> <td>S VAL</td> <td>IDA1</td> <td>NO.</td> <td>P</td>		2	1-8-5		\$ H5						NIMO	LEAD	TIME		MAN	UFAC	JE J	g	101	N X	EB		PROPEL		S Z	E F	STR	E. F	.6 \- .6 \- .0 \-	0 2	MES	TACT		YED	PEN	DINC	S VAL	IDA1	NO.	P
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6 6 14 20 P-1 SHOPPING LIST PAGE 1 OF ITEM NO. 30 *** NO. 3 (1) EXHIBIT P-21	RTIN ELECTRONICS RRY, FL	Y.		¥.		TIN	۲				9		9				4			CV	S																			
PAGE 1 OF NO. 1 1 () EXHIBIT P-21						REOF	3DER	_			9		9				4			cu	S				İ															
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EC FY95 AF 388 EC FY96 AF 331 FY97 AF 1045 FY99 AF 1100		66 66 66	CALENDAR YEAR 00	00	CALENDAR YEAR 01	CALENDAR YEAR 02
EC FY96 AF 331 FY97 AF 1045 1 FY99 AF 798	100	Oct NOV DEC JAN FE	B MARAPR MAY JUN JUL	AUG SEP OCT NOV DEC JAN FI	1-00 OCT NOVIDEC JAN FEB MARIAPH MAY JUN JUL AUG SEP OCT NOVIDEC JAN FEB MARIAPH MAY JUN JUL. AUG SEP OCT NOVIDEC JAN	NOV DEC JAN FEB WAR AV
EC FY96 AF 331 FY97 AF 1045 1 FY98 AF 1100 FY99 AF 798	388	0				
FY98 AF 1045 1 FY99 AF 798	31	0				
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MANUFACTURER'S NAME PROD RATES	REA-		PROCUREMENT LEAD TIME	EAD TIME	REMARKS: FY 95, FY 96, AND	PROCUREMENT LEAD TIME REMARKS: FY 95, FY 96, AND FY 97 DELIVERIES BASED ON CONTRACT REMARKS: FY 95, FY 96, AND FY 97 DELIVERIES BASED ON CONTRACT
MIN 1-8-5 MAX	용	*	ADMIN LEAD TIME	MANUFACTURING TOTAL AFTER		DELIVERY SCHEDULE. FY 97 CONTRACT DELAYED PENDING VALIDATION OF PROCUREMENT STRATEGY AND RESTRICTED SPECIFICIDIA RASE/BSO.
NA NA			L C			
PERRY, R. NA NA NA	-	INITIAL	9	14 20	e	
	_	REORDER	9 9	14 20	0	
			P-1 SHOF			PAGE 2 OF 2 PAGES
			ITEM NO.	30	•	EXHIBIT P-21

		BUDGE	BUDGET ITEM JUSTIFICATION	CATION			DATE	
			(EXHIBIT P-40)				FEBRUARY 1997	RY 1997
APPROPRIATI PAAF/MUNIT	APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT	IVITY TED EQUIPMENT		P-1 ITEM NOMENCLATURE CAD/PAD	VCLATURE			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
LOCA			, 00 0,					
COO (in Millions)			\$12.821	\$14.609	\$14.577	\$14.594	\$21.306	\$21.342
CYICANTIC							000:14	110

THEMATER

1. CARTRIDGE ACTUATED DEVICES/PROPELLANT ACTUATED DEVICES (CAD/PAD), SUCH AS GAS GENERATORS, INITIATORS, SHIELD MILD DETONATING CORD (SMDC), ROCKET MOTORS, ROCKET CATAPULTS, ETC., ARE USED ON AIRCRAFT FIRE SUPPRESSION, EMERGENCY RELEASE AIRCRAFT OPERATIONAL AVAILABILITY IS DIRECTLY IMPACTED IF REPLACEMENT ASSETS ARE NOT AVAILABLE TO MEET CHANGE OUT REQUIREMENTS. LIFE SUPPORT DEVICES SUCH AS THE SEA WATER ACTIVATED RELEASE SYSTEM AND PARACHUTE RELEASE CARTRIDGES AND AIRCREW ESCAPE SYSTEMS. THESE EXPLOSIVE DEVICES HAVE FINITE LIVES AND ARE REPLACED DURING SCHEDULED MAINTENANCE. ARE ESSENTIAL TO CREW SURVIVAL AFTER EJECTION.

FY 97 AND PRIOR FUNDING IS INCLUDED IN APPROPRIATION 3010, AIRCRAFT PROCUREMENT, AIR FORCE (APAF). તાં

UNCLASSIFIED

PAGE NO

LIST ITEM NO. P-1 SHOPP

31

FAAF			CAD/PAD						DATE:	FEBRUARY 1997	7661		
ELEMENT OF COST	DENI	FY96	QIY:		FY97	QIY:		FY98	QIY:	N/A	FY99	GIV:	N/A
	Ö	δĪ	UNITCOST	TOTAL	QIY	UNIT COST	TOTAL	YIO	UNITCOST	TOTAL	GTY	UNIT COST	TOTAL
B1-B EGRESS COMPONENTS/KITS	∢									\$3.526			\$4.438
B-2 SHAPED CHARGES/EGRESS COMPONENTS	∢												\$1.186
C-17A PANEL ASSYS/INTIATORS/ EGRESS COMPONENTS	∢									\$1.602			
F-15 EGRESS COMPONENTS	∢									\$0.618			\$2.359
F-16 EGRESS COMPONENTS	∢									196'08			\$0.547
F-117A CANOPY REMOVER/ JETIISON/EGRESS COMPONENTS	∢												\$0.349
COMMON EGRESS COMPONENTS	∢									\$2.085			\$1.889
MISC COMPONENTS LESS THAN SECOK	∢									\$4.039			\$3.841
TOTAL P-1 LINE ITEM										\$12.821			\$14.609
												•	
				P-1 ITEM NO.	ON	PAGE NO.	9'			EXHIBIT P-5			1

		-		UNCLASSIFIED	0				Carrier .
		BUDGETITE	BUDGET ITEM JUSTIFICATION	IFICATION		The state of the s	DATE		
			(EXHIBIT P-40)	(01				FEBRUARY 1997	
APPROPRIA	APPROPRIATION/BUDGET ACTIVITY	CTIVITY		P-1 ITEM NOMENCLATURE	NCLATURE				27 T W
PA	AF/MUNITIONS AF	PAAF/MUNITIONS AND RELATED EQUIPMENT	IIPMENT		REPL	REPLENISHMENT SPARES	RES		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	EV 2001	EV 2002	EV 2002	
QUANTITY						1007	1 5002	2002	
11 TOOC							į		
COST (III MIII)	\$ 1.134	\$ 1.626	8.979	\$ 1.520	\$ 2.265	\$ 0.322	\$ 2 199	\$ 2 405	
)))		7.7.		

Replenishment Spares are reparable components, assemblies and subassemblies required for follow-on support of end items. Munitions replenishment spares requirements are based on item specific failure/demand driven computation.

PAGE NO.	UNCLASSIFIED
P-1 SHOPP LIST ITEM NO. 33	

APPROPRIATION AND P-1 LINE ITEM PAAF	E ITEM		REPLENISH	ISHMENT SPARES	ES				DATE:	FEBRUARY 1997	1997		
ELEMENT OF COST	IDENT	FY96	QTY:	N/A	FY97	QIY:	N/A	FY98	OIY:	N/A	FY99	OIY:	N/A
	CODE	OI?	UNITCOST	TOTAL	QIY	UNIT COST	TOTAL	ΘIY	UNITCOST	TOTAL	QIV	SI	TOTAL
P-1 LINE ≉ N/A GBU-15	∢			\$0.628			\$0.560			\$0.318			\$0.714
P-1 LINE #35 ITEMS LESS OTHER	∢			\$0.324			\$0.228			\$0.147			\$0.151
P-1 LINE # 11 MK-82 INERT/BDU-50	<			\$0.000			\$0,055						
P-1 LINE≠N/A GBU-24/27	<			\$0.182			\$0.251						
P-1 LINE # N/A ITEMS LESS FUZES	<						\$0.068						
P-1 LINE # 23 ITEMS LESS BOMBS	∢						\$0.030			\$0.017			\$0.071
P-1 LINE # 19 TTU-373 TEST SET	∢			• • • • • • • • • • • • • • • • • • • •			\$0.434			\$0.497			\$0.584
TOTAL P-1 LINE ITEM				\$1.134			\$1.626			\$0.979			\$1.520
				P-1 ITEM NO.	Ö	PAGENG	\$.			EXHIBT P-5			

			5	UNCLASSIFIED	0			
		BUDG	BUDGET ITEM JUSTIFI (EXHIBIT P-40)	JUSTIFICATION			DATE	FEBRUARY 1997
APPROPRIA PAA	APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED FOLIEPMENT	TIVITY		P-1 ITEM NOMENCLATURE	NCLATURE	ON OTHER PROPERTY.		
						MODIFICATIONS		
	FY 1996	FY 1997	FY 1998	FY 1999	EY 2000	EV 2001	EV 2002	77
QUANTITY					2007	1003	L1 2002	FT 2003
COST (In Lin)	0000							
COOL (III MIII)	\$ 3.340	\$.650	\$. 149	0 \$	\$.688	\$ 710	\$ 802	\$ 0.49
							300.	0+0.

which add or delete capability. Safety modifications correct deficiencies which would produce hazards to personnel, systems, or equipment. Permanent modifications are configuration changes to in-service systems and equipment which correct material or other deficiencies, or This budget line encompasses both new and on-going modification efforts for guided bombs and munitions systems. The following are modifications funded in FY96 through FY99:

PY FY96 FY97 FY98 FY99	0 1.000 0 0 0 0 1.867 0 0 0 .357 .473 .650 .149 0	
DESCRIPTION	GBU-15 Container Mod B61 MOD 11 Upgrade Miscellaneous Low Cost Mods	
# QOW	Z/Z/Z Z/A Z/Z	

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PAGE NO	JNCLASSIFIE
LIST 34 ··	
P-1 SHOPP LIST ITEM NO. 34	

		BUDGE	BUDGET ITEM JUSTIFICATION	CATION			DATE	
			(EXHIBIT P-40)				FEBRUARY 1997	1997
PAAF/MUNITIC	APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT	IVITY EQUIPMENT			P-1 ITEM NOMENCLATURE	ATURE OTT	JED ITEMEN	
	FY 1996	EV 4007	FV 4000	2007	יייייייייייייייייייייייייייייייייייייי	2,000,000	IEN II EINIS)	
		661	866114	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (12 Million) 417 201	\$17.504	40 770	000					
(ill millions)	617.73	45.773	\$4.608	\$5.747	\$8,353	\$8.519	\$8 603	\$000
HEMARKS						212124	000.00	40.304

1. THIS CATEGORY CONSISTS OF VARIOUS ITEMS INCLUDING BASE DEFENSE, RESCUE, EXPLOSIVE ORDNANCE DISPOSAL (EOD), AND OTHER ITEMS USED FOR AIRCREW AND GROUND TRAINING.

2. ALL ITEMS ARE CODE A (APPROVED FOR SERVICE USE).

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PAGE NO.

P-1 SHOPP LIST ITEM NO. 35

UNCLASSIFIED ITEMS LESS THAN \$2,000,000 (OTHER)

		 ,	FY 98		FY 99
NOMENCLATURE	DODIC	ατγ	THOUSANDS\$	QTY	THOUSANDS\$
LUU-19 NEAR INFRARED(NIR)		750	621	750	920
HAND GRENADE SIMULATOR	L601	0	0	30000	110
PERSONAL DISTRESS SIGNAL	L119	0	0	0009	371
BOMB CONTAINMENT VESSEL		10	006	01	006
EOD DISRUPTER		8,750	132	0	0
ANDROS ROBOT		က	300	0	0
EOD TRAINING AIDS		20	785	0	0
ADVANCED RADIOLOGICAL SYSTEM		82	1,870	83	1826
THEATRE SECURE RECODE SYSTEM		0	0	A/N	1720
DOE TEST AND HANDLING EQUIPMENT		0	0	A/N	250
TOTAL			4,608		5,747

P-1 SHOPP LIST NO. 35 PAGE NO. 1 18

		BUDGET ITEM . (EXHIBI	T ITEM JUSTIFI (EXHIBIT P-40)	JUSTIFICATION IT P-40)			DATE FEBRUARY 1997	
APPROPRIATIC PAAF/MUNITI	APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT	QUIPMENT			P-1 ITEM NOMENCLATURE JOINT PROGRAMMABLE FUZE (JPF)	ATURE VBLE FUZE (JPF)		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	324	1,170	1,906	2,014	2.226	2.748	11.895
COST (In Millions)	\$0	\$4.125	\$5.880	\$8.070	\$8.253	\$8.453	\$10.719	\$44.548

TARGET SURVIVABILITY, COCKPIT PROGRAMMABILITY, AND INCREASED SERVICE/SHELF LIFE. THE JPF WILL PROVIDE BACKWARD
COMPATIBILITY FOR MK-80 SERIES GUIDED AND UNGUIDED BOMBS. IT WILL REPLACE OR SUPPLEMENT DIFFERENT INVENTORY FUZES SUCH AS
THE FMU-139, FMU-143, FMU-124, AND M904/M905, AND PROVIDE THE NEXT GENERATION OF FUZING CAPABILITY FOR HARD TARGET, GENERAL
PURPOSE AND GUIDED BOMBS. 1. THE FMU-152/B JOINT PROGRAMMABLE FUZE (JPF) IS A JOINT AF/NAVY MULTI-FUNCTION UNITARY FUZE BEING DEVELOPED AND PROCURED FOR THE JOINT DIRECT ATTACK MUNITION (JDAM) AND OTHER CONVENTIONAL INVENTORY WEAPONS. THE FMU-152/B WILL PROVIDE A HIGHLY RELIABLE BOMB FUZE WITH MULTIPLE ARM TIMES, INSTANTANEOUS AND MULTIPLE SHORT AND LONG DELAY DETONATION TIMES, HARD

PROGRAM IS CURRENTLY IN RESEARCH AND DEVELOPMENT (PE 64602F). DEVELOPMENT TEST AND EVALUATION (DT&E) IS SCHEDULED FOR COMPLETION OF INITIAL OPERATIONAL TEST AND EVALUATION (IOT&E) IS SCHEDULED FOR OCTOBER 1997; TECHNICAL DATA PACKAGE AND SERVICE USE APPROVAL IS SCHEDULED FOR NOVEMBER 1997.

LIST ITEM NO. | 119 | 36

PAGE NO.

P-1 SHOPP

APPROPRIATION AND P-1 LINE ITEM PAAF	ITEM		(X)	OGRAMMABLE FUZE (JPF)	BLE FUZE (.	JPF)			DATE:	FEBRUARY 1997	1997		
ELEMENT OF COST	IDENT	FY96	QIY:	0	FY97	aly:	324	FY98	OIY:	1170	FY99	SIN.	3006
	CODE	QIV	UNITCOST	TOTAL	QIY	UNIT COST	TOTAL	QTV	ST	TOTAL	П	S	TOTAL
HARDWARE FMU-152/B	œ				324	\$3,793.00	\$1,229	1170	\$3,050.00	\$3,568	1906	\$2,905.00	\$5,537
SUBTOTAL							\$1,229			\$3,568			\$5,537
PRODUCTION SUPPORT													
SYSTEM ENGR/PROG MGT							\$98 \$184			\$439 \$535			\$636
CONTRACTOR SUPPORT							\$24			178			\$110
OTHER							68			\$212 \$88			\$229
SUBTOTAL							\$531			\$1,345			\$1,942
<u>Nonrecurring</u> Tooling/Test Equipment							\$2.361		T.M	000			
GOVT FURNISHED MATERIAL													800%
CONTAINERS							\$4		***	\$14			\$23
TOTAL P-1 LINE ITEM					324		\$4,125	1170		\$5,880	1906		\$8,070
				P-1 ITEM NO.	Ö	PAGE NO.	5.0			EXHIBIT P-5			

Id	PILID CET POOL	APERIT LICT	Statistics to VOO	4 014						
	BODGE TROCOREMENT FISHORY FLANNING (F-5A)	NEW INDIV	DEAT PER	のようりと	3			A. DATE	LI.	
								FEB	FEBRUARY 1997	166
B. APPROPRIATION/BUDGET ACTIVITY	, LII			C. P-1 ITE	C. P-1 ITEM NOMENCIATIIDE	CIATIIPE				
PAAF/MUNITION	PAAF/MUNITIONS AND RELATED EQUIPME	UIPMENT			2	INT PROCEDA	IOINT PROCEDA ANNA BLE ELIZE (IBE	75 / 105		
* W 18-00-0 AND 18-00							MAINIAN DEEP LOS			
LINE ITEM	CONTRACTOR/	CONTRACT	CONTRACTED	AWARD	DATE OF	QUANTITY	UNIT	SPECS		IE VEC
FISCAL YEAR	LOCATION	METHOD	- B	DATE	FIDST		POC	AVAII	2	,
							3			X I I
		& IYPE			DELIVERY			MON.		AVAII

AFMC/ASC NOV 97 JUL 98 324 3.793 NO AFMC/ASC NOV 97 NOV 98 1170 3.050 NO AFMC/ASC NOV 98 NOV 99 1906 2.905 NO			& TYPE	5	a V	DELIVERY		500	NOW	REV PEG'D	_
MOTOROLA SS/CPAF ARMC/ASC NOV 97 JUL 98 324 3.793 NO MOTOROLA SS/CPAF ARMC/ASC NOV 98 1170 3.050 NO UNKNOWN C/FFP ARMC/ASC NOV 98 NOV 99 1906 2.905 NO	JOINT PROGRAMMABLE FUZE	_	_						_		3
MOTOROLA SS/GPAF AFMC/ASC NOV 97 NOV 98 NO 23050 NO UNKNOWN C/FFP AFMC/ASC NOV 98 NOV 99 NOV 99 NO 22005 NO	FV 1997	MOTOROLA	SS/CPAF (OPTION)	AFMC/ASC	VOV 97	96 TOF	324	3,793		Æ	
UNKNOWN C/FFP AFMC/ASC NOV 98 NOV 99 1906 2,905 NO	FV 1998	MOTOROLA	SS/CPAF (OPTION)	AFMC/ASC	26 AON	86 AON	1170	3,050		YES	
	FY 1999	UNKNOWN	С/FF	AFMC/ASC	NOV 98	% AON	9061	2,905		YES	
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MOTOROLA IS LOCATED IN SCOTTSDALE, AZ. PY97 CONTRACT OPTION IS TO THE ENGINEERING AND MANUFACTURING DEVELOPMENT CONTRACT. UNIT COST REFLECTS HARDWARE PRICE ONLY.

P-1 SHOPP LIST	PAGE NO.	Exhibit D.s.A
ITEM NO.	101	
**	1 7 1	

FY08/00 BUDGET PRODUCTION SCHEDULE	NOLLON	SCHEDE	Щ		P-1 ITEM NOMENCLATURE:	MENCLA		JUINT F	ROGR	JOINT PROGRAMMABLE FUZE (JPF)	FUZE (J	PF			DATE	- 1	EBRU	FEBRUARY 1997	77					
ITEMMFG	wш	PROC	ACCPT BAL	BAL		FISC	FISCAL YEAR 97	R 97				FIS	FISCAL YEAR 98	4R 98					Ĭ	FISCAL YEAR 99	AR 99			
YEAR		ΔI	PRIOR DUE	DUE	96 96		SA	CALENDAR YEAR 97	YEAR 9	7			Š	CALENDAR YEAR 98	R YEA	3 98				CALEN	CALENDAR YEAR 99	AR 99		н ц
	>		9		1-04 OCT NOVIDEC JAN FEB MARIAPRI MAY JUN JUL AUGISEP OCT NOVIDEC JAN FEB MARIAPRI MAY JUN JUL AUGISEP OCT NOVIDEC JAN FEB MARIAPRI MAY JUN	AN FEB A	KARAPR	MAYJUN	JUL AU	G SEP OCT	NOV DEC	JAN FEB	MARAPE	HMAY JL	N JUL	AUG SE	P OCT	NOV DEC	JAN FE	MARAPI	R MAY J	JUL NO.	AUGISEP	
MOTOROLA FY97	7 AF	324	0	324							ပ				50	74 10	74 100 100							
MOTOROLA FY98	8 AF	1170	0	1170							C							100 100	100 100 100 100 100 100 100 100 100 100	100	001	100	100	8
UNKNOWN FY99	9 AF	1906	0	1906														O						1906
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MANUFACTURER'S	PRO	PROD RATES		REA.	OCTINOVIDECTAN FEB INARIAPHTMAYLUN JUL, TAUGISEPTOCTINOVIDECTAN FEB IMARIAPHTMAY JUN JUL TAUGISEPTOCTINOVIDECTAN FEB IMARIAPHTMAY JUN PROCUPEMENT LEAD TIME PROCUPEMENT LEAD TIME	AN IFEB IN	PRO	CUREM	ENT LE	JAPRIMAYJUN JUL, JAUGISEP IOCTIN PROCUPEMENT LEAD TIME	OVIDEC	JAN FEB	MARAPE	APRIMAYIJU REMARKS:	N 705	AUGISE	POCT	NOVIDEC	JAN FE	MARIAPE	NAM'E		JUL AUGISEP	EP
	Z	1-8-5	MAX CHO	\$ H.			ADMIN	ADMIN LEAD TIME		MANUFACTURING		TOTAL AFTER												
MOTOROLA, SCOTTSDALE AZ	100					-	PR 1 OCT	PR 1 OCT AFT 1 OCT	_	TIME		1 OCT												
					(FY 97)			12		8		ଛ												
					(FY 98/99)			2		12	-	4												
								P-1	SHOPP	P-1 SHOPPING LIST		PAGE	•							PA	PAGE 1	OF.	N	PAGES
								Ε	ITEM NO.			NO.	122							EX	EXHIBIT P-21	-21		
	_										_													

THE SOURCE LANGUAGE SCHEDULE	NOLUZION.	SCHEDUL		<u>-</u>	P-1 ITEM NOMENCLATURE:	S S	NCL	2		S	PRO	BRAM	JOINT PROGRAMMABLE FUZE (JPF)	FUZ	五) 三	(-				0	DATE		FEBRUARY 1997	ARY	190								
TEMMFG	wш	PROC ACCPT	XPT BAL		-	-	FISC	FISCAL YE	AR (9			H				FISCAL YEAR 01	YEA	101			i i	_		3		FISC	FISCAL YFAR 02	AB	2			
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MANUFACTURER'S NAME AND LOCATION	PRO	PROD RATES	HEA-					-	HOC	PROCUREMENT LEAD TIME	ENTL	EAD	IME																				
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MOTOROLA, SCOTTSDALE, AZ	9		470					PR 1 OCT	5	AFT 1 OCT	8CT		TIME		-	1001																	
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			BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	CATION			DATE FEBRIJARY 1997	7
APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT	BUDGET ACTI	QUIPMENT	1		P-1 ITEM NOMENCLATURE HARD TARGET SWADT ELIZE	ATURE PT EI 17E		
	EV 1006	EV 4007	2007			ILLI LOCE		
	0881	1881	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
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D C C C C C C C C C C C C C C C C C C C	2	92.000	20	\$7.931	\$7.917	\$0	0\$	₩

1. THE HARD TARGET SMART FUZE (HTSF) WILL PROVIDE A NEW CAPABILITY FOR CONVENTIONAL HARD TARGET WEAPONS. THE HTSF WILL BE A HARD TARGET VOID/LAYER COUNTING FUZE CAPABLE OF PROVIDING BURST POINT CONTROL NOT AVAILABLE ON CURRENT HARD TARGET FUZES. IT WILL INTERFACE WITH THE BLU-109 AND BLU-113 WARHEADS AND WILL BE COMPATIBLE WITH THE GBU-28 AND FUTURE HARD

2. PROGRAM IS CURRENTLY IN RESEARCH AND DEVELOPMENT(PE 64602). DEVELOPMENT TEST AND EVALUATION (DT&E) IS SCHEDULED FOR SEPTEMBER 1998; INITIAL OPERATIONAL TEST AND EVALUATION (IOT&E) IS SCHEDULED FOR JANUARY 1999; TECHNICAL DATA PACKAGE AND SERVICE USE APPROVAL IS SCHEDULED FOR MARCH 1999.

FY 97 QUANTITY DIFFERS FROM P-1 DUE TO UPDATED PRICING INFORMATION.

UNCLASSIFIED

124

PAGE NO.

P-1 SHOPP LIST ITEM NO. 37

APPROPRIATION AND P-1 LINE ITEM PAAF	TEM		HARD TARG	ET SMARI	GET SMART FUZE (HTSF)	P			DATE:	FEBRUARY 1997	Y 1997		
ELEMENT OF COST	IDENT	FY96		0	FY97	QIY:	58	FY98	QIY:	0	FY99	QTY:	235
	CODE	VIO	UNITCOST	TOTAL	QIV	UNIT COST	TOTAL	ΑĬΘ	UNITCOST	TOTAL	GIY	UNITCOST	TOTAL
Hardware Hard Target Smart Fuze	6 0				85	\$25,000.00	\$1,450				235	\$25,000.00	\$5,875
SUBTOTAL							\$1,450						\$5,875
PRODUCTION SUPPORT ECO/ECP							\$73						9000
SYSTEM ENGR/PROG MGT							8199						2887
CONTRACTOR SUPPORT							859 859						\$34
OTHER							\$27						\$103
LAI							\$12						\$45
SUBTOTAL							\$379						\$1,388
GOV'T FURNISHED MATERIAL COMMON MUN BIT REPROG EQUIP			· · · · ·			1	\$158						\$62
FZU-55							\$12						\$44
CONIAINER							5						83
SUBTOTAL							1718						899\$
TOTAL P-1 LINE ITEM					83	834,042.74	\$2,000				235	\$34,042.74	\$7,931
				P-1 ITEM NO.	ON	PAGE NO.	Ö.			EXHIBIT P-5			

BUDGET PROCUREMENT HISTORY PLANNING (P-5A) B. APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT LINE ITEM/ FISCAL YEAR LOCATION ATTURED BY DATE DATE DATE DATE DATE DATE DATE DATE

APR99 OCT00 58	APR 99 OCT 00 235		
SS/FPIF AFMC/ASC	SS/FPIF AFMC/ASC (OPTION)		
MOTOROLA SS,	MOTOROLA SS/		

D. REMARKS

MOTOROLA IS LOCATED IN SCOTTSDALE, AZ. UNIT COST REFLECTS HARDWARE PRICE ONLY.

Exhibit P-5A			
PAGE NO.	* 6	4/	0.1
P-I SHOPP LIST	ITEM NO.	••	3/

FY08/00 BUDGET PRODUCTION SCHEDULE	NOLLON	SCHEDU	y	_	P-1 ITEM NOMENCLATURE: HARD TARGET SMART FUZE	NON	ENCL	TURE	H	3D TAF	GET (MART	FUZE					O	DATE:	FEB	FEBRUARY 1997	1997						
ITEM/MFG	wш	PROC	PROC ACOPT BAL	} }			FIS	FISCAL YEAR 97	AR 97						FISC	FISCAL YEAR 98	AR 98						FISC	FISCAL YEAR 99	R 99			
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	8	BUDGE	BUDGET ITEM JUSTIFICATION	ICATION			DATE	
			(EXHIBIT P-40)	•			FEBRUARY 1997	1997
APPROPRIATION/BUD PAAF/SMALL ARMS	APPROPRIATION/BUDGET ACTIVITY PAAF/SMALL ARMS	IVITY			P-1 ITEM NOMENCLATURE	ICLATURE		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
CHANTITY								
GUANIII	0	0	0	0	0	C	0	c
COST (In Millions) \$ 5.048 *	\$ 5.048 *	\$ 15.524	\$ 6.009	\$ 2.777	\$ 1987	\$ 3 980	0 4	9
REMARKS						4 0:000	→	9

ACCEPTED AS STANDARD ISSUE FOR ALL U. S. MILITARY SERVICES. THE NATO STANDARD 5.56MM IS FAR SUPERIOR TO THE CURRENT 5.56MM IN 1. THE AIR FORCE'S CURRENT M-16A1 RIFLES ARE NEARLY 30 YEARS OLD. THE AGE OF THE WEAPONS AND NEED FOR REPAIR ARE CAUSING A TERMS OF RANGE, ACCURACY, AND LETHALITY. YET, THE NATO 5.56MM IS NOT AS EFFECTIVE WHEN FIRED IN THE OLDER M-16A1 RIFLE. AS AN SAME NATO ROUND. SECONDLY, THE CHANGE TO THE M-16A2 WILL REDUCE THE LOGISTICAL BURDEN CAUSED BY THE AIR FORCE BEING THE MAINTENANCE BACKLOG. ADDITIONALLY, THE AIR FORCE IS BEGINNING TO USE THE NATO STANDARD 5.56MM AMMUNITION WHICH HAS BEEN EXAMPLE, AN M-16A2 RIFLE USING THE NATO ROUND HAS A MAXIMUM EFFECTIVE RANGE THAT IS NEARLY DOUBLE OF THE M-16A1 USING THE ONLY SERVICE USING THE M-16A1 RIFLE AND NON-NATO AMMUNITION.

2. NO NEW RIFLES ARE BEING PROCURED. REQUESTED FUNDS WILL PROCURE KITS TO CONVERT M-16A1 RIFLES TO M-16A2 RIFLES. THE M-16A2 RIFLES TO M-16A2 RIFLES. THE

A. IT CAN BE FIRED IN A SEMIAUTOMATIC AS WELL AS FULL AUTOMATIC (THREE ROUND BURST) MODE.

B. THE RIFLE BARREL HAS A RIFLING TWIST THAT ENABLES IT TO FIRE THE NEW NATO STANDARD AMMUNITION AND THE NON-NATO AMMUNITION. ALSO, THE BARREL IS HEAVIER WHICH PROVIDES BETTER ACCURACY.

CARTRIDGE CASE DEFLECTOR ON THE RIGHT SIDE OF THE RECEIVER DEFLECTS EJECTED CARTRIDGES TO PRECLUDE THE POSSIBILITY OF THE C. THE RIFLE IS FITTED WITH A NEW REAR SIGHT, WHICH INCORPORATES ADJUSTMENTS FOR BOTH WINDAGE AND ELEVATION. A EJECTED CARTRIDGES HITTING THE FACE OF THE LEFT-HANDED SHOOTER.

D. A REDESIGNED HANDGUARD, USING TWO IDENTICAL HALVES, WITH A ROUND CONTOUR IS STURDIER AND PROVIDES A BETTER GRIP

E. A NEW BUTTSTOCK AND PISTOL GRIP MADE OF A TOUGHER MOLDABLE PLASTIC PROVIDES BETTER RESISTANCE TO BREAKAGE. WHEN HOLDING THE RIFLE.

* FY96 FUNDING IS CONTAINED IN APPROPRIATION 3020, MISSILE PROCUREMENT, AIR FORCE (MPAF) AND IS REFLECTED HERE FOR CONTINUITY.

P-1 SHOPP PAGE NO.

APPROPRIATION AND P-1 LINE ITEM PAAF	E ITEM		M-16 A2 RIFLE	FIE					DATE:	EERDIIA DV 1007	1901		
ELEMENT OF COST	IDENT	FY96		23556	FY97	QIY:	56214	FY98	SIN:	21760	FY99	SIV:	10057
	CODE	QIY	UNITCOST	TOTAL	QIY	ST	TOTAL	QIY	100	TOTAL	QIY	ST	TOTAL
HARDWARE RIFLE CONVERSION KIT	4	22465 1091	\$211.00 \$264.79	\$4,740	56214	\$264.79	\$14,885	21760	\$264.79	\$5,762	10057	\$264.79	\$2,663
SUBTOTAL				\$5,029			\$14,885			\$5,762			\$2,663
PRODUCTION SUPPORT ARMY ENGINEERING SUPPORT QUALITY ASSURANCE TESTING				\$0 \$0 \$19			\$550 \$45 \$44			\$213 \$17 \$17			888 88
SUBTOTAL				\$19			\$639			\$247			\$114
TOTAL P1 LINE ITEM		23556	\$214.29	\$5,048	56214	\$276.16	\$15,524	21760	\$276.16	\$6,009	10057	\$276.16	\$2,777
NOTE: FY 96 FUNDING SPLIT BETWEEN TWO CONTRACTS. \$4,769 MILLION WILL BE APPLIED TO THE MAXIMUM EXTENT POSSIBLE AGAINST A PREVIOUS OPTION. THE REMAINING S.289 MILLION WILL BE COMBINED WITH FY 97 FUNDING FOR NEW CONTRACT AWARD.	N TWO CONT	RACTS. \$4.71	59 MILLION W	IL BE APPLEE	O TO THE MA	XIMUM EXTE	NT POSSIBLE A	GAINST A PR	REVIOUS OPT	TON. THE RE	MAINING		
				P-1 ITEM NO. 38	NO.	PAGE	PAGENO.			EXHIBIT P-5			
								The state of the s		5			

BUDGET PROCURE	BUDGET PROCUREMEN	Z	NT HISTORY PLANNING(P-5A)	ING(P-5	€			A. DATE FEBR	ATE FEBRUARY 1997	766
B. APPROPRIATION/BUDGET ACTIVITY PARE	TIVITY PAAF/SMAII ABMS			C. P-1 ITE	C. P-1 ITEM NOMENCLATURE	CLATURE	A D DIELE			
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD	DATE OF FIRST DELIVERY	QUANTITY	TITY UNIT COST	SPECS AVAIL NOW	SPEC REV REG'D	IF YES, WHEN AVAIL

M-16 A2 CONVERSION KIT					•			04.12	-	
FY 1994@ #	CAPCO INC.	C/FP	ARMY/AMCCOM (AFMC/WR-ALC)	SEP 95	FEB 97	17,248	237.25			
FY 1995 ♣	CAPCO INC:	C/FP	ARMY/AMCCOM (AFMC/WR-ALC)	SEP 95	OCT 97	3,515	237.25			
FY 1996 ^S	CAPCO INC:	C/FP (OPTION)	ARMY/AMCCOM (AFMC/WR-ALC)	FEB 97	DEC 97	22,465	211.00	VES	Q N	
FY 1996 ^S	UNKNOWN	СЉ	ARMY/AMCCOM (AFMC/WR-ALC)	SEP 97	JUL 98	1601	264.79	YES	O _N	
FY 1997 &	UNKNOWN	C/FP	ARMY/AMCCOM (AFMC/WR-ALC)	SEP 97	JUL 98	56,214	264.79	YES	9	
FY 1998 &	UNKNOWN	C/FP (OPTION)	ARMY/AMCCOM (AFMC/WR-ALC)	FEB 98	JUL 99	21,760	264.79	YES	Q N	
FY 1999 &	UNKNOWN	С/FР	ARMY/AMCCOM (AFMC/WR-ALC)	SEP %	JUL 00	10,057	264.79	YES	<u>S</u>	

 B. REMARKS
 © FIRST TIME BUY FOR THE CONVERSION KIT.
 F Y 94 AND FY 95 CONTRACTS COMBINED. DELIVERIES DELAYED DUE TO PROBLEMS WITH FIRST ARTICLE TESTING.
 *CAPCO INC LOCATED IN GRAND JUNCTION, CO.
 ^ A FY 96 CONTRACT AWARD DIE TO CONTRACT PROTEST BY COLT MANUFACTURING.
 ^ S FY 96 CUNDING SPLIT BETWEEN TWO CONTRACTS. \$4.759 MILLION WILL BE APPLIED TO THE MAXIMUM EXTENT POSSIBLE AGAINST A PREVIOUS OPTION. THE REMAINING \$.289 MILLION WILL BE COMBINED WITH FY 97 FUNDING FOR NEW CONTRACT AWARD.
 § R PY 97-FY 99 PRICING BASED ON PRICE QUOTE FROM HQ ACALA, DATED MAY 96.
 PRICES REFLECT HARDWARE COSTS ONLY. P-1 SHOPP LIST ITEM NO. 36

Exhibit P-5A

PAGE NO.

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			-		REORDER		2	10	15								
							P-1 SHOPPING LIST	NING LIST	PAGE 7 2	0				PAGE	-	OF 2 PAGES	GES
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P-1 SHOPPING LIST PAGE 2 OF 2 ITEM NO 38 NO. 1 3 3					+	=	MITIAL				12		-	0		22		SCH	DULE	0 TO	ALLO	Ø 00 M	MTIN	Snor	PROL	UCTION	~ :				
PAGE 2 OF 2 NO. 1 3 3				-	-	Œ	EORD	EB			2			6		15															
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APPROPRIATION/BUDGET ACTIVITY PAAF/SMALL ARMS					P-1 ITEM NOMENCLATURE M-16 A2 RIFLE	ATURE			
ITEM	TOTAL I/O REQUIREMENT	QUANTITY ON HAND & IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 96 & PRIOR FUNDS	GUANTITY DUE IN WITH FY 97 PROGRAM FUNDS	PLANNED BUDGET YEAR (FY 98) PROCUREMENT	PLANNED BUDGET YEAR (FY 99) PROCUREMENT	BALANCE	PHASING
M-16 A2 RIFLE CONVERSION KIT	220,225	0		44,319	56214	21,760		87,875	
				MEMO ENTRIES	ES				
ITEM ≱1 MAJCOMS/AGENCIES(22)- 114620 AFSOC -3954 AFRES -32911 ANG -68740	ITEM #2	ITEM #3	£3		ITEM #4	ITEN	ITEM ≠ 5		
ITEM #6	ITEM #7	ITEM #8	8#		ITEM #9	HE	ITEM ≠10		
		P-1 SHOPP LIST		PACENO					The state of the s

APPROPRIATION/BUDO PAAF/SMALL ARMS	APPROPRIATION/BUDGET ACTIVITY PAAF/SMALL ARMS		BUDGET ITEM JUSTIFI (EXHIBIT P-40)	CATION	P-1 ITEM NOMENCLATURE	LATURE	DATE FEBRUARY 1997	2661
	FY 1996	EV 1007	LV 4000	1	SMIM COMPACT PISTOL	STOL		
		1661	8661	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
CHANTITY	c	077						
1000	0	113	280	c		c		
COSI (in Millions)	80	\$0.073	\$0.100				0	0
REMARKS			\$0.100	90	\$0	\$0	\$0	0\$

CALIBER PISTOLS CURRENTLY USED BY THESE PERSONNEL. EVALUATIONS OF THE STANDARD 9MM PISTOL INDICATED IT IS TOO LARGE TO BE USED AS A CONCEALABLE WEAPON. THE COMPACT PISTOL WILL FUNCTION WITH THE SAME AMMUNITION AS THE FULL-SIZED 9MM PISTOL BUT 1. THE 9MM COMPACT PISTOL IS A SEMI-AUTOMATIC, MAGAZINE-FED PISTOL USED AS A CONCEALABLE WEAPON AND CARRIED IN A HOLSTER BENEATH CIVILIAN CLOTHING BY THE AIR FORCE OFFICE OF SPECIAL INVESTIGATIONS (OSI) PERSONNEL. IT WILL REPLACE ALL COMPACT .45 ITS WEIGHT, LENGTH, HEIGHT, AND WIDTH WILL DIFFER.

2. FY 98 QUANTITY DIFFERS FROM P-1 ENTRY DUE TO UPDATED COST ESTIMATES.

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PAGE NO.

LIST ITEM NO.

P-1 SHOPP

PAAF	NE ITEM		9MM COA	9MM COMPACT PISTOL	<u>7</u>				DATE:	CEBBILA DV 1007	1001		
ELEMENT OF COST	IDENI	FY96	QIY:	0	FY97	QIY:	113	FY98	SIY:	280	FY99	SIN:	
	703	λίο ΘΙΑ	UNITCOST	TOTAL	QIY	UNIT COST	TOTAL	QIY	150	TOTAL	AIV.	SI	TOTAL
HARDWARE M9 PISTOL	4				113	\$610.00	898	280	\$625,00	\$175			
SUBTOTAL							898			\$175			
<u>Production support</u> Army engineering support Quality Assurance							\$2			\$2			
SUBTOTAL							84		<u> </u>	88			
TOTAL PT LINE ITEM					113	\$640.44	\$73	280	\$653.57	\$183			
						· · · · · · · · · · · · · · · · · · ·							
				P-1 ITEM NO.	NO.	PAGENG 6	36			EXHIBIT P-5			
				***)						

IND ACCIEIED

B. APPROPRIATION/BUDGET ACTIVITY	TIVITY	ENEMI TIST	IVITY C. P1 ITEM I	ING(P-5, C. P-1 ITE	NG(P-5A) C. P-1 ITEM NOMENCLATURE	CLATURE		A. DATE FEBR	JATE February 1997	1997
E ITERA	PAAF/SMALL ARMS					9MM COR	9MM COMPACT PISTOL			
LINE IIEM/	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	COST	SPECS AVAIL NOW	SPEC REV	IF YES, WHEN
9MM COMPACT PISTOL		_								AVAIL
	SIGARMS	SS/FP (OPTION)*	ARMY/AMCCOM (AFMC/WR-ALC)	DEC %	FEB 97	113	640.44			
	SIGARMS	SS/FP	ARMY/AMCCOM (AFMC/WR-ALC)	MAR 98	OCT 98	280	653.57	YES	9	

- D. REMARKS

 ② SIGARMS IS LOCATED IN EXETER, NH.

 ③ OPTION IS TO AN EXISTING FY 96 CONTRACT FOR NAVY REQUIREMENTS.

 ⑤ OPTION IS TO AN EXISTING BASED ON NECESSITY TO KEEP ALL AF INVENTORY 9MM COMPACT PISTOLS STANDARD.

 ⑤ SOLE SOURCE JUSTIFICATION BASED ON NECESSITY TO KEEP ALL AF INVENTORY 9MM COMPACT PISTOLS STANDARD.

 ⑤ SOLE SOURCE JUSTIFICATION BASED ON NECESSITY TO KEEP ALL AF INVENTORY 9MM COMPACT PISTOLS STANDARD.

 ⑤ SOLE SOURCE JUSTIFICATION BASED ON NECESSITY TO KEEP ALL AF INVENTORY 9MM COMPACT PISTOLS STANDARD.

 ⑤ SOLE SOURCE JUSTIFICATION BASED ON NECESSITY TO KEEP ALL AF INVENTORY 9MM COMPACT PISTOLS STANDARD.

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Exhibit P-5A

PAGE NO.

Fig. 1 F	S SHEDULE	S	CHEDOLE			P-1 II EM NOMENCLATURE:	CLATURE:	9MM COMP	9MM COMPACT PISTOL		DATE	E FEBRUARY 1997	266			
Fig. 15 13 15 15 15 15 15 15	ITEM/MFG OCHREMENT	ш	0				FISCAL YEA	R 97		FISCAL	YEAR 98		FIS	SCAL YEAR 99		7 4
FY 59 AF 280 0 200 110 10	YEAR	Œ >				96	S	LENDAR YEA	NR 97		CALENDAR YEAR	86		CALENDAR YEAR	66.	
FF 95 AF 139 0 139 C 119 C 119 C 119 C 119 C C 119 C C C C C C C C C		>		- 1	100	NCT NOV DEC JAN	FEB MAR APR	UL NUL YAM	AUG SEP OCT NO	V DEC JAN FEB MAR	APR MAY IIIN	1	050	200		u ac
FY 69 AF 289 0 289			113		113	၁	113					3	רבר מעוג	MANAPH MAT JUN	JUL AUG SEP	
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MIN 1-8-5 MAX CH 0+ ADMIN LEAD TIME MANUFACTURING TOTAL AFTER UNK UNK UNK LINITIAL 6 7 13 RECRIDER 6 7 13 PAGE 1 OF 1 FY SHOPPING LIST PAGE 7 ITEM NO 39 NO. 3	ACTURER'S IND LOCATION	PROD	PATES	æ			PRO	CUREMENT	LEAD TIME	TOTAL LICED IMPUL	REMARKS: FY 97	BASED ON CONT	PACT DELIV	MARIAPRIMAY JUN	JUL AUGISEP	
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RECRUER 6 7 13 13 13 14 15 15 15 15 15 15 15	MS FI. NH		1	¥			PR 1 OCT		TIME	1001						
P-1 SHOPPING LIST PAGE 1 OF 1 ITEM NO 39 NO. 1 3 B					Z	ITIAL		9	7	13						
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APPROPRIATION/BUDGET ACTIVITY PAAF/SMALL ARMS	Ł				P-1 ITEM NOMENCLATURE 9MM COMPACT PISTOL	TURE		
ITEM	TOTAL I/O REQUIREMENT	QUANTITY ON HAND & IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 96 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 97 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCLIPEMENT	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	PHASING
YMM COMPACT PISTOL	866	0	009	0	113	280	0	SALIONALE SALionale Salion
				MEMO ENTRIES				
OSI UNITS - 993	πεм # 2	ITEM #3	4 3	<u> </u>	ITEM #4	ITEM # 5	1#5	
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		BUDGET ITEM JU		STIFICATION			DATE	
			(EXHIBIT P-40)	()			FEBRUARY 1997	7 1997
APPROPRIATION/BUD PAAF/SMALL ARMS	APPROPRIATION/BUDGET ACTIVITY PAAF/SMALL ARMS	TIVITY			P-1 ITEM NOMENCLATURE	CLATURE		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
COANIIIY	0	0	2265	0	C	c	c	_
COST (In Millions)	\$0	\$0	\$1.127	\$0	0\$	\$	9	Ş
DEMANDICO					2		0	9

1. THE M-9 PISTOL IS A 9MM NATO, SEMI-AUTOMATIC PISTOL THAT NORMALLY FUNCTIONS SINGLE ACTION BUT HAS DOUBLE ACTION CAPABILITY FOR THE FIRST SHOT. THE WEAPON IS CAPABLE OF BEING FIRED BY EITHER LEFT OR RIGHT HANDED SHOOTERS. THE MAGAZINE HAS A MINIMUM OF 15 ROUNDS. THE PISTOL IS COMPATIBLE WITH PARTS AND AMMUNITION WITH ALLIED SERVICES.

2. THE M-9 PISTOL IS A STANDARD REPLACEMENT WEAPON FOR THE .45 CALIBER PISTOL AND VARIOUS .38 CALIBER REVOLVERS. THE WEAPON IS ISSUED TO LAW ENFORCEMENT PERSONNEL, AVIATORS, AND GENERAL OFFICERS AS A PERSONAL DEFENSE WEAPON.

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PAGE NO.

P-1 SHOPP LIST ITEM NO.

40

APPROPRIATION AND P-1 LINE ITEM	NE ITEM								DATE				
PAAF			M-9 PISTOL	٦					į	FEBRUARY 1997	/ 1997		
ELEMENI OF COS	DEN	FY96	QIY:	0	FY97		0	FY98	QIY:	2265	FY99	QTY:	0
	3000	Δig	UNIT COST	TOTAL	QIV	UNITCOST	TOTAL	AIV.	UNIT COST	TOTAL	QIY	ST	TOTAL
HARDWARE M-9 PISTOL	∢							2265	\$467.55	STOFO			
SUBTOTAL										\$1,069			
PRODUCTION SUPPORT ARMY ENGINEERING SUPPORT QUALITY ASSURANCE										\$27			
SUBTOTAL										808			
TOTAL PT LINE ITEM								2265	\$407.57	61 19			
			·						·				
				P-1 ITEM NO.	NO.	PAGE	PAGE NO.			EXHIBIT P-5			

B. APPROPRIATION/BUDGET ACTIVITY				1 47 (141	. 0			***		
B. APPROPRIATION/BUDGET AC	BUDGEI PROCUREMENI	EMENI HIST	HISTORY PLANNING(P-5A)	ING(P-5)	₹			A. DAIE FEBR	JAIE FEBRUARY 1997	265
	СПИПУ			C. P-1 ITE	C. P-1 ITEM NOMENCLATURE					
	PAAF/SMALL ARMS					M -S	M-9 PISTOL			
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REQ'D	IF YES, WHEN AVAIL
M-9 PISTOL			_	4444						
FY 1989@	Beretta USA	SS/FP (OPTION)	ARMY/AMCCOM (AFMC/WR-ALC)	MAY 89	AUG 93	0006	231.05			
FY 1998#	Beretta USA	SS/FP (OPTION)	ARMY/AMCCOM (AFMC/WR-ALC)	FEB 98	OCT 98	2265	497.57	YES	O _N	
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TISSUE BUDGET PHODUCTION SCHEDULE	ITEMMEG	YEAR		BERETTA																	TOTAL		MANUFACTURER'S NAME AND LOCATION		BERETTA USA	ACCOKEEK, MD		

February 1997		PHASING					EXHIBIT P-23b
FEBR		N N N N N N N N N N N N N N N N N N N	o		TIEM ≠ 5	ΠΕΜ ∮ 10	
	IURE	PLANNED BUDGET YEAR PDOCLIDEMENT	2,265		<u> </u>	E	
	P-1 ITEM NOMENCLATURE M-9 PISTOL	QUANTITY DUE IN WITH FY 97	0		ITEM #4	ΠΕΜ # 9	
BLES		QUANTITY DUE IN WITH FY 96	0	MEMO ENTRIES			PAGE NO.
CONSUMA		QUANTITY IN USE	83,115		2	84	٩
ALLED NON		QUANTITY ON HAND & IN USE	0		πEM #3	ITEM #8	P-1 SHOPP LIST
REQUIREMENTS STUDY - NOT INSTALLED NONCONSUMABLES	QUIPMENT	TOTAL I/O REGUIREMENT	85,380		4		
REQUIREMENTS S	APPROPRIATION/BUDGET ACTIVITY PAAF/MUNITIONS AND RELATED EQUIPMENT	ITEM			IIEM #1 MAJCOMS/AGENCIES - 51 237 AFSOC - 3,050 ANG - 19,964 AFR - 11,129	ITEM #6	

	A THE RESERVE OF THE PARTY OF T	BUDGET ITEM J	ITEM JUSTIFICATION	CATION			DATE	
			(EXHIBIT P-40)				FEBRUARY 1997	266
APPROPRIATION/BU PAAF/SMALL ARMS	APPROPRIATION/BUDGET ACTIVITY PAAF/SMALL ARMS			<u> </u>	P-1 ITEM NOMENCLATURE	ATURE	I ADMC)	
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$0	\$0.607	\$0.858	\$0.022	\$0	0\$	0\$	\$0
REMARKS							2	9

1. THIS CATEGORY CONSISTS OF VARIOUS WEAPONS ITEMS USED FOR BASE DEFENSE AND GROUND CREW TRAINING.

2. SPECIFIC FY 98 AND FY 99 ITEMS ARE LISTED ON THE NEXT PAGE.

3. ALL ITEMS ARE CODE A (APPROVED FOR SERVICE USE).

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PAGE NO. 145

P-1 SHOPP LIST ITEM NO. 41

UNCLASSIFIED ITEMS LESS THAN \$2,000,000 (SMALL ARMS)

		FY 98	ଷ୍ଠା	Ā	FY 99	
NOMENCLATURE	DODIC	QTY T	THOUSANDS\$	ΔT	QTY THOUSANDS\$	
PEPPER SPRAY SET, BALLISTIC MORTAR MOUNT, TRIPOD, M122 M16 CONTAINER NIGHT VISION SIGHTS	KM01	996 13 448 372 130	21 117 284 144 292 858	966	22 0 0 25 0	

P-1 SHOPP LIST NO. 41 PA(

PAGE NO. 46